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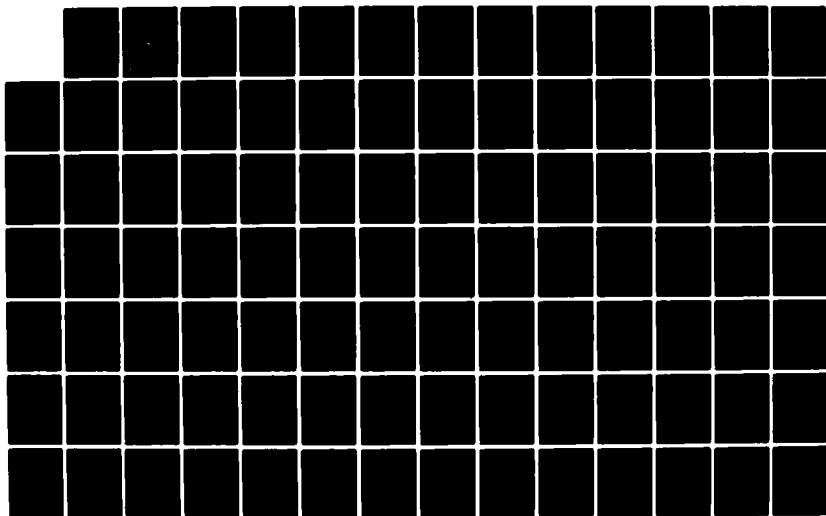
ANALYSES OF MOBILIZATION MANPOWER SUPPLY AND DEMAND(U)  
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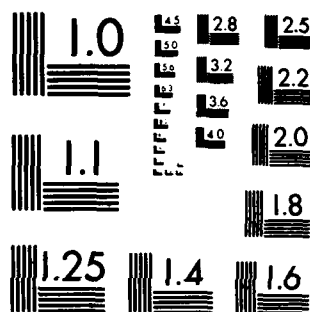
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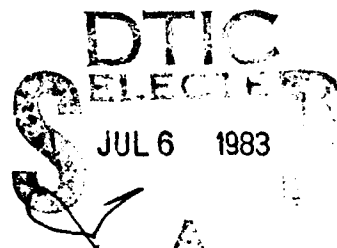


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ASC R-134  
March 1982

**ANALYSES OF MOBILIZATION  
MANPOWER SUPPLY AND DEMAND**

Final Report



prepared for

**Support Forces, Manpower and Logistics Branch (OP-964)  
Systems Analysis Division  
Office of the Chief of Naval Operations  
Washington, D.C. 20350**

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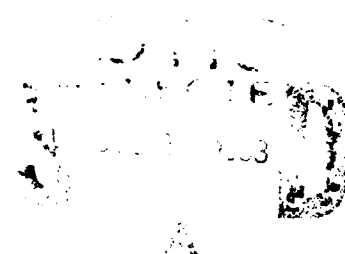
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ASC R-134  
March 1982

## **ANALYSES OF MOBILIZATION MANPOWER SUPPLY AND DEMAND**

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report provides a central record of all work performed under Contract No. <del>N00014-80-C-0939</del> . That effort was concerned with the updating and exercising of the automated macro-level mobilization manpower model developed under Contract No. <del>N00014-79-C-0527</del> . Reporting was accomplished in two series of documents. Letter Reports, essentially progress reports, are summarized to provide a history of the technical work performed. Technical Memoranda, containing the technical data submitted, are listed by date and subject, with extracts to indicate the kind of data generated.		

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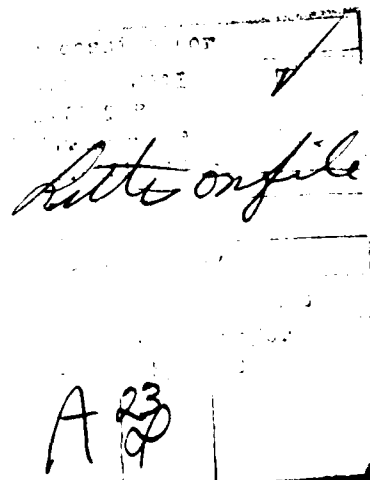
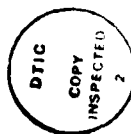
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## I. INTRODUCTION

This is the final report of Contract No. N00014-80-C-0939 between Administrative Sciences Corporation (ASC) and the Office of Naval Research. Scientific direction was provided by the Head of the Manpower, Training and Reserve Section of the Systems Analysis Division (OP-964D) of the Office of the Chief of Naval Operations.

Over the course of nineteen months, the initial contract was modified three times. Thus, one objective of this report is to simply provide a record of the contract's overall scope of work. Other objectives are to summarize its technical accomplishments, to cite the back-up memoranda in which the technical data were transmitted to OP-964D, and to reproduce selected portions of that data.

### I.1 Chronology of the Contract

The effort was initiated on 1 September 1980, and ASC was tasked to update and refine the automated macro-level mobilization manpower model developed under Contract No. N00014-79-C-0527 for use in identifying and quantifying issues in the CPAM process, and to employ the model for selected quantitative and qualitative analyses of wartime manpower supply and demand.

Modification P00001, effective 1 January 1981, mainly continued the effort described in the original contract.

Effective 1 May 1981, Modification P00002 called for programming a set of algorithms for computing wartime hospital staff requirements (physicians, nurses and corpsmen) to operate on a Commander FX Microcomputer, to be used by



the Bureau of Medicine and Surgery to develop inputs for Navy-wide planning, programming and budgeting.\*

Finally, Modification P00003, effective 1 October 1981, tasked ASC to continue to analyze wartime manpower demand and supply which are dependent on scenario specifics, programmed forces, policy guidance and related assumptions.

#### I.2 Organization of the Report

There were two series of documents prepared by ASC in the course of the contractual effort. The first series is comprised of aperiodic Letter Reports which described technical accomplishments over the period covered by each report. Section II summarizes those reports. The second series consists of the manpower supply and demand data submitted to OP-964D in the form of Technical Memoranda. Section III lists these Memoranda by date and subject and displays selected portions of the data.

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\*This task was separately documented in "Programs to Estimate Wartime Hospital Staff Requirements for Operation on the FX Commander Minicomputer," Berterman, J.E. and Smith, B.M.

## II. SUMMARY OF LETTER REPORTS

The effort was initiated 1 September 1980 to update forces and their attendant structure manpower demand to reflect post-POM changes in the Ships and Aircraft Supplemental Data Tables. A new Marine Corps scenario for a NATO war required further updating. Historical casualty rates of afloat forces were studied for comparison with casualty rates used in the mobilization manpower model. Refinements to the procedures for handling transient demand were also initiated.

All four of these efforts continued through October 1980, while an examination of historical and projected Mobilization Day requirements was initiated.

By 31 December 1980, updating of the automated mobilization manpower model was complete, and the model was exercised to examine a base case and six variants thereto. The historical study of mobilization manpower requirements was reported on, and mobilization requirements by skill area were being considered for investigation.

In January 1981, the CPAM'83 wartime manpower supply and demand analysis was reported on, followed by briefings. Investigation of the wartime manpower and personnel skill situation commenced, concentrating on gathering data for an analysis of the Hospitalman skill. This was completed in February 1981 and reported to OP-964, followed by an analysis of wartime supply and demand for Operational Specialist skills. In conjunction with OP-01 and SECNAV personnel, a quick response analysis of casualty factors for use in the Joint Operations

Plans System (JOPS) was conducted. As a result of this analysis, OP-01 issued guidance to the CINC's and to the Joint Deployment Agency (JDA), with tentative factors for planning casualty replacement requirements. This was reported to OP-964 in a Technical Memorandum of 15 February 1981.

During the next six months, ASC converted algorithms for estimating hospital staff requirements into a FORTRAN computer program for operation on BUMED's Commander FX Microcomputer, and delivered the program in the form of diskettes, accompanied by instructions for loading, execution and maintenance. A Technical Memorandum on manpower implications of an extended war was completed.

By the middle of December 1981, the project to provide data on wartime manpower for use in the manpower, personnel and training CPAM for POM FY1984-1988 was completed. Three Technical Memoranda were provided OP-964.

(1) Wartime Manpower for the CPAM Base Case, dated 1 December 1981, containing data for:

- Manpower for a NATO war in FY1984
- Major manpower changes compared to CPAM FY1983 data
- Inactive military personnel estimates
- Manpower for a NATO war in FY1985

(2) Wartime Manpower for the CPAM, dated 9 December 1981, containing data for:

- Manpower for a NATO war in FY1988 ("Demand" scenario)
- Manpower for a NATO war in FY1988 ("Requirement" scenario)
- Inactive military personnel supply estimates for FY1988
- Major manpower changes in the two "Demand" scenarios
- Internal scenario differences between "Demand" and "Requirements" scenarios
- Medical capabilities in the theaters of operations for each of the scenarios

(3) Corrections to the Wartime Manpower for FY87-FY88, dated 14 December 1981, containing revised data for substitution in the 9 December 1981 Memorandum.

The analysis of the transition phase manpower, proceeding from a peacetime posture through the first 30 days of mobilization, was completed and a Technical Memorandum was submitted on 16 February 1982.

### III. EXTRACTS FROM TECHNICAL MEMORANDA

#### III.1 November 26, 1980

SUBJECT: CPAM'83 Wartime Manpower

Enclosures: (1) Supply and Demand: Base Case

(2) Major Assumptions

(3) Results of Sinkings

(4) Administrative Billet Reductions

Extracts: Enclosures (1) and (2) are reproduced in the following three pages.

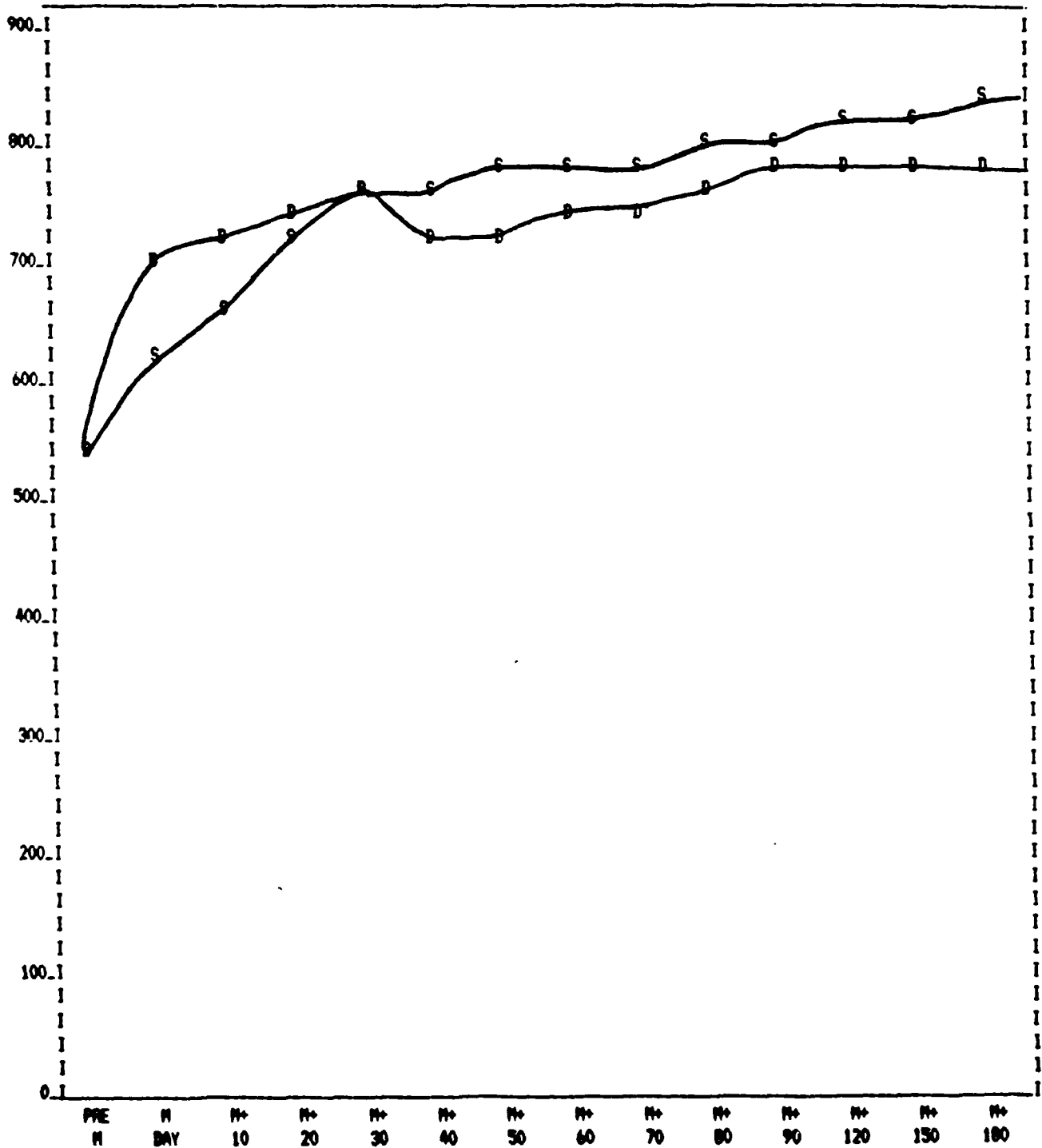
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OFFICERS/ENLISTED

CUMULATIVE DEMAND AND SUPPLY COMPARISONS

TOTAL

MANPOWER  
(THOUS)

CPAM '83: Total Supply &amp; Demand - First Day Base Case '83



## Enclosure (2)

## CPAM'83: First Day Base Case Assumptions

- Marine Corps deployments/employments as in WARMAPS "Budget '82" update of 14 November 1980.

- Ship sinkings and ship major battle damages calculated from Seamix I study as amplified in the Navy/MARAD Study of U.S. Mobilization Base for Shipbuilding of March 1977. The shipboard billets of ships which are sunk are subtracted from the billet demands. The shipboard billets for ships undergoing repair for major battle damage are reduced by half for fifty days following the damage. The results are reflected by either a negative demand or a lessened demand in a given time period as compared to a situation with no ship casualties. The billet reductions which are used in the POM'83 Base Case are shown in enclosure (3).

- The billets which are reduced due to ship sinkings and major battle damage are reduced also from the personnel replacement requirements.

- The personnel replacement requirements are determined by the need to replace from out of theater those personnel who are killed, captured or missing or personnel who are hospitalized and whose billet requires filling.

- Personnel returning to duty from theater medical facilities are in turn used as replacements and therefore reduce the requirement for (outside) "replacements."

- Personnel who are unhospitalized ship sinking survivors are instantly reassigned in the theater.

Enclosure (2) cont'd.)

- All necessary medical facilities and medical personnel are available.

- There are a total of almost eleven thousand billets which exist prior to M-Day and which are phased out in the first three months after M-Day. Enclosure (4) has a summary of the location and times of the billet reductions.

- The overall scenario is based on the current Consolidated Guidance and conforms to the POM'82/Budget'82 WARMAPS scenario as updated from the October 1980 FYDP.

- On the personnel (supply) side of the data, the following are reflected:

Selected Reserve is all aboard on M-Day (85,300)

IRR, Fleet Reserve and Retired personnel are aboard before M+40 days at the following rate:

M to M+10 Days	39,000
M+10 to M+20 Days	60,000
M+20 to M+30 Days	23,100
M+30 to M+40 Days	<u>11,200</u>
	133,300

- The Selective Service system delivers between 3,000 and 4,000 draftees to boot camp every week beginning one week after M-Day.



III.2 December 19, 1980

SUBJECT: CPAM'83 Wartime Manpower Supply and Demand

Enclosures: (1) Base Case

(2) Base Case modified by reduced RTD's,  
training and reserve response times

(3) Base Case modified by increased active  
duty personnel and by enhanced IRR response

Extract: Enclosure (1) is reproduced in the following six pages.

	PRE-H	H	H+10	H+20	H+30	H+40	H+50	H+60	H+70	H+80	H+90	H+100	H+110	H+120
DEMAND	550100	719925	726344	739594	767216	732107	734180	744369	750792	769246	784645	784572	788082	785701
TRAINED	508400	677325	683344	697794	725916	693907	694880	704669	710592	727946	744845	744372	748582	746201
STRUCTURE	452700	596900	600900	617400	621900	618100	611600	607500	606200	618000	616900	617400	621900	621900
THEATER	123000	143400	228100	292700	306700	321400	375800	384500	387700	391500	397300	408300	410600	410600
NON-THEAT	329700	453500	372800	334400	333100	321100	269500	262100	260700	269600	262700	252200	254400	254400
MEDICAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BIL LOS	0	0	0	-9700	-17900	-24400	-33700	-39100	-42200	-43100	-43100	-43100	-43100	-43100
NON-STRUC	55700	75700	74800	72000	78500	40500	39300	41900	40400	40300	52600	50400	52200	52200
CAS-REPLS	0	4725	7644	8394	25516	35307	43980	55269	63992	69646	75345	76572	74482	72101
KIA	0	0	3	10	3916	6623	8729	12399	14236	16422	18808	19093	19179	19265
MIA	0	0	13	47	11691	17683	22355	29057	36141	40312	44157	45915	46546	47411
DNBI	0	6299	14349	22956	32188	41309	49901	58217	66542	74731	82848	91018	99220	107457
RTDS	0	-1574	-6721	-14618	-22279	-30307	-37005	-44405	-52928	-61818	-70466	-79455	-90463	-102032
TRAINEES	41700	42600	43000	41800	41300	38200	39300	39700	40200	41300	39800	40200	39500	39500

12/18/80 SS820RC OFF/ENL WORLD-WIDE GRC BASE

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12/18/80 SS82GRC OFFMNL WORLD-WIDE SUPPLY

	PRE-M	M	M+10	M+20	M+30	M+40	M+50	M+60	M+70	M+80	M+90	M+100	M+110	M+120
SUPPLY	542400	627700	673400	736500	765500	779800	787800	791400	795000	802300	805900	813200	818000	823000
TR POP	499800	585100	630400	694700	724200	741600	748500	751700	754800	761000	766100	773000	778500	783500
ACT F	499800	499800	499800	499800	499800	499800	499800	499800	499800	499800	499800	499800	499800	499800
SEL R	0	85300	85300	85300	85300	85300	85300	85300	85300	85300	85300	85300	85300	85300
OTH I	0	0	39000	99000	122100	133300	133300	133300	133300	133300	133300	133300	133300	133300
T OUT	0	0	6300	10600	17000	23200	30100	33300	36400	42600	47700	54600	60100	65100
TRAINEE	42600	42600	43000	41800	41300	38200	39300	39700	40200	41300	39800	40200	39500	39500

12/18/80 SS82GRC OFFMNL WORLD-WIDE SUPPLY

	M+130	M+140	M+150	M+160	M+170	M+180	M+190	M+200	M+210	M+220	M+230	M+240	M+250
SUPPLY	828000	831800	835700	839600	843700	848700	853700	853700	853700	853700	853700	853700	853700
TR POP	788500	791900	795800	799700	804700	809700	814700	814700	814700	814700	814700	814700	814700
ACT F	499800	499800	499800	499800	499800	499800	499800	499800	499800	499800	499800	499800	499800
SEL R	85300	85300	85300	85300	85300	85300	85300	85300	85300	85300	85300	85300	85300
OTH I	133300	133300	133300	133300	133300	133300	133300	133300	133300	133300	133300	133300	133300
T OUT	70100	73500	77400	81300	86300	91300	96300	96300	96300	96300	96300	96300	96300
TRAINEE	39500	39900	39900	39900	39000	39000	39000	39000	39000	39000	39000	39000	39000

1 RECORD(S) PROCESSED

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12/18/80 SS82GRC OFFICERS/ENLISTED

## \* CUMULATIVE-SUPPLY \*

	PRE-M	M	M+10	M+20	M+30	M+40	M+50	M+60	M+70	M+80	M+90	M+120	M+150	M+180
TOTAL	542400	627700	673400	736500	763500	779800	787800	791400	795000	802300	805900	823000	835700	848700
TRAINED	499800	585100	630400	694700	724200	741600	748500	751700	754800	761000	766100	783500	795800	809700
INITIAL AF	499800	499800	499800	499800	499800	499800	499800	499800	499800	499800	499800	499800	499800	499800
SELECT RES	0	85300	85300	85300	85300	85300	85300	85300	85300	85300	85300	85300	85300	85300
OTHR INACT	0	0	39000	99000	122100	133300	133300	133300	133300	133300	133300	133300	133300	133300
TRAIN OUTP	0	0	6300	10600	17000	23200	30100	33300	36400	42600	47700	65100	77400	91300
TRAINEE	42600	42600	43000	41800	41300	38200	39300	39700	40200	41300	39800	39500	39900	39000

12/18/80 SS82GRC OFFICERS/ENLISTED

## \* CUMULATIVE-DEMAND \*

	PRE-M	M	M+10	M+20	M+30	M+40	M+50	M+60	M+70	M+80	M+90	M+120	M+150	M+180
TOTAL	550100	719925	726344	739594	767216	732107	734180	744369	750792	769246	784645	785701	783687	782705
TRAINED	508400	677325	683344	697794	725916	693907	694880	704669	710592	727946	744845	746201	743787	743705
STRUCTURE	452700	596900	600900	617400	621900	618100	611600	607500	606200	618000	616900	621900	622900	623300
NON-STRUCT	55700	75700	74800	72000	78500	40500	39300	41900	40400	40300	52600	52200	50000	50000
CAS-REPLS	0	4725	7644	8394	25516	35307	43980	55269	63992	69646	75345	72101	70887	70405
TRAINEE	41700	42600	43000	41800	41300	38200	39300	39700	40200	41300	39800	39500	39900	39000

12/18/80 8582GRC OFFICERS/ENLISTED

### • CUMULATIVE-SUMMARY •

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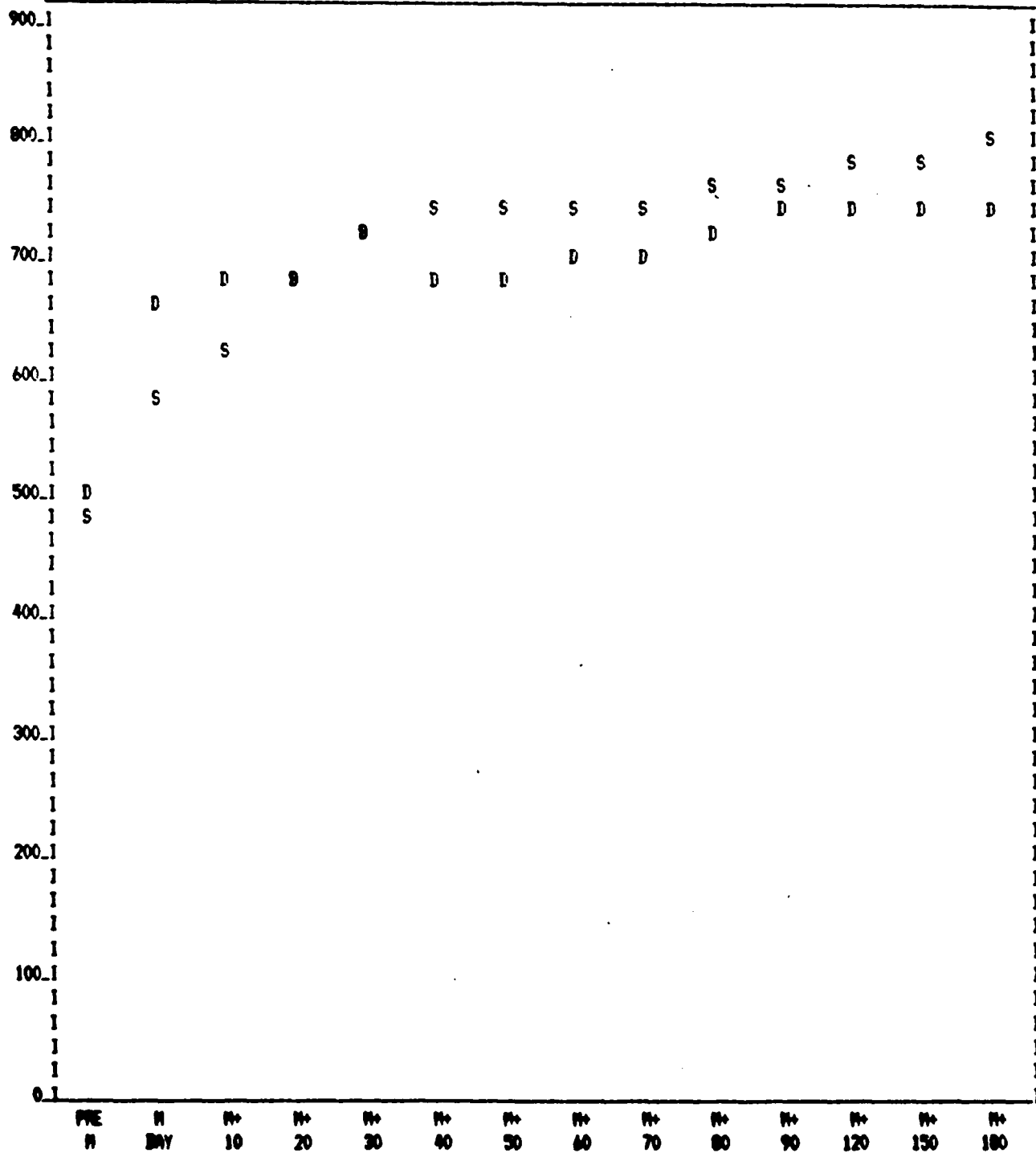
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CUMULATIVE DEMAND AND SUPPLY COMPARISONS

TRAINED

15

MANPOWER  
(THOUS)



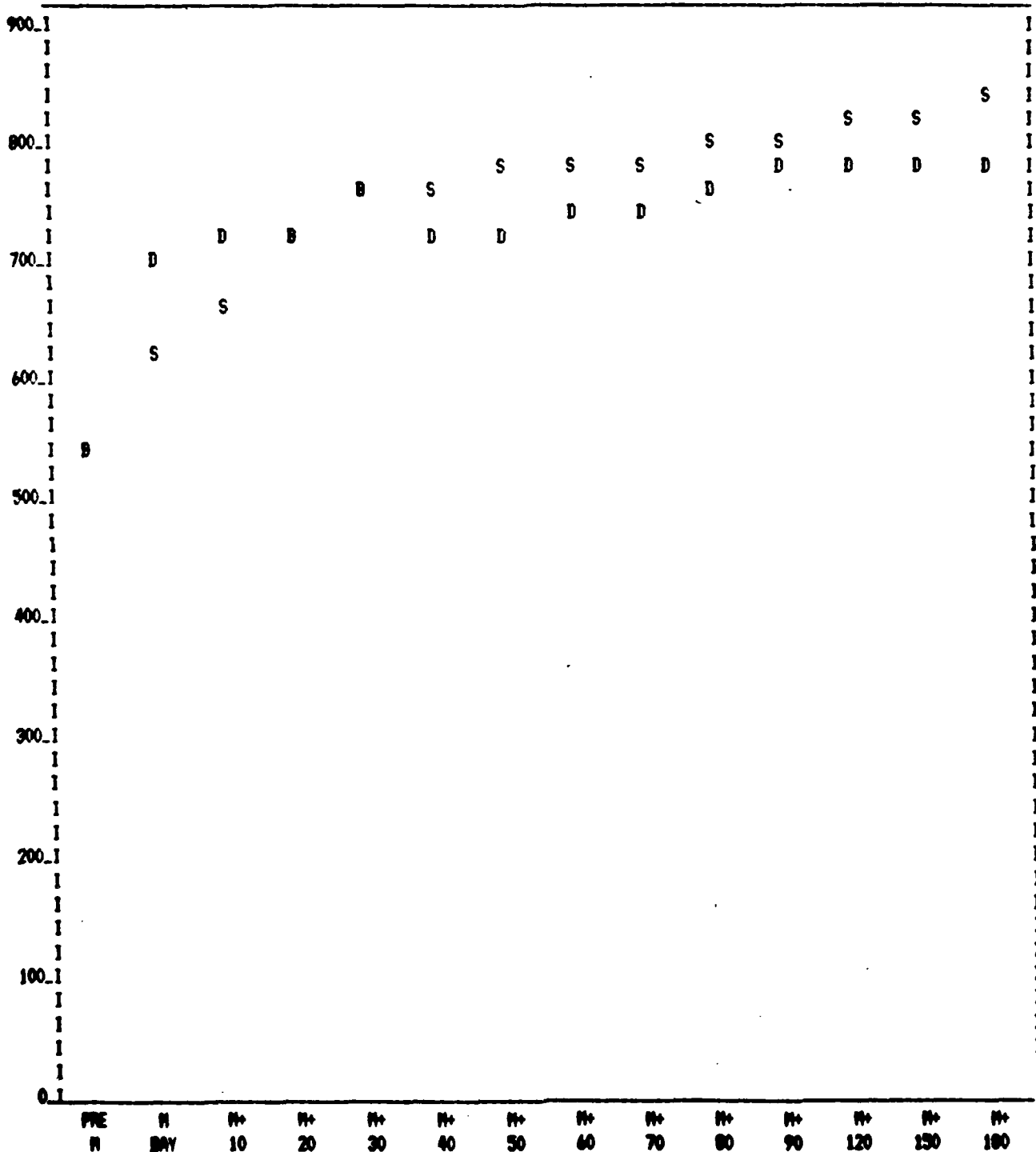
12/18/80 3682GRC  
OFFICERS/ENLISTED

CUMULATIVE DEMAND AND SUPPLY COMPARISONS

TOTAL

16

MANPOWER  
(THOUS)



III.3 December 29, 1980

SUBJECT: CPAM'83 Wartime Manpower Supply and Demand

Enclosures: (1) Afloat Casualties Seamix Excursion

(2) Sea Sanctuary Case

Extract: Enclosure (1) is reproduced in the following five pages.





12/23/80 SEAM1182 OFFICERS/ENLISTED

## \* CUMULATIVE-SUPPLY \*

	PRE-M	M	M+10	M+20	M+30	M+40	M+50	M+60	M+70	M+80	M+90	M+120	M+150	M+180
TOTAL	542400	627700	673400	736500	765500	779800	787800	791400	795000	802300	805900	823000	835700	848700
TRAINED	499800	585100	630400	694700	724200	741600	748500	751700	754800	761000	766100	783500	795800	809700
INITIAL AF	499800	499800	499800	499800	499800	499800	499800	499800	499800	499800	499800	499800	499800	499800
SELECT RES	0	85300	85300	85300	85300	85300	85300	85300	85300	85300	85300	85300	85300	85300
OTHF INACT	0	0	39000	99000	122100	133300	133300	133300	133300	133300	133300	133300	133300	133300
TRAIN OUTP	0	0	6300	10600	17000	23200	30100	33300	36400	42600	47700	65100	77400	91300
TRAINEE	42600	42600	43000	41800	41300	38200	39300	39700	40200	41300	39800	39500	39900	39000

12/23/80 SEAM1182 OFFICERS/ENLISTED

## \* CUMULATIVE-DEMAND \*

	PRE-M	M	M+10	M+20	M+30	M+40	M+50	M+60	M+70	M+80	M+90	M+120	M+150	M+180
TOTAL	550100	719925	726344	751896	775910	745059	756870	766605	772558	787388	796264	796440	793749	792710
TRAINED	508400	677325	683344	710096	734610	706859	717570	726905	732358	746088	756464	756940	753849	753710
STRUCTURE	452700	596900	600900	626119	636472	636701	637205	632908	630396	640602	635828	635802	635609	636142
NON-STRUCT	55700	75700	74800	72000	78500	40500	39300	41900	40400	40300	52600	52200	50000	50000
CAS-REPLS	0	4725	7644	11977	19638	29658	41065	52097	61562	65186	68036	68938	68240	67568
TRAINEE	41700	42600	43000	41800	41300	38200	39300	39700	40200	41300	39800	39500	39900	39000

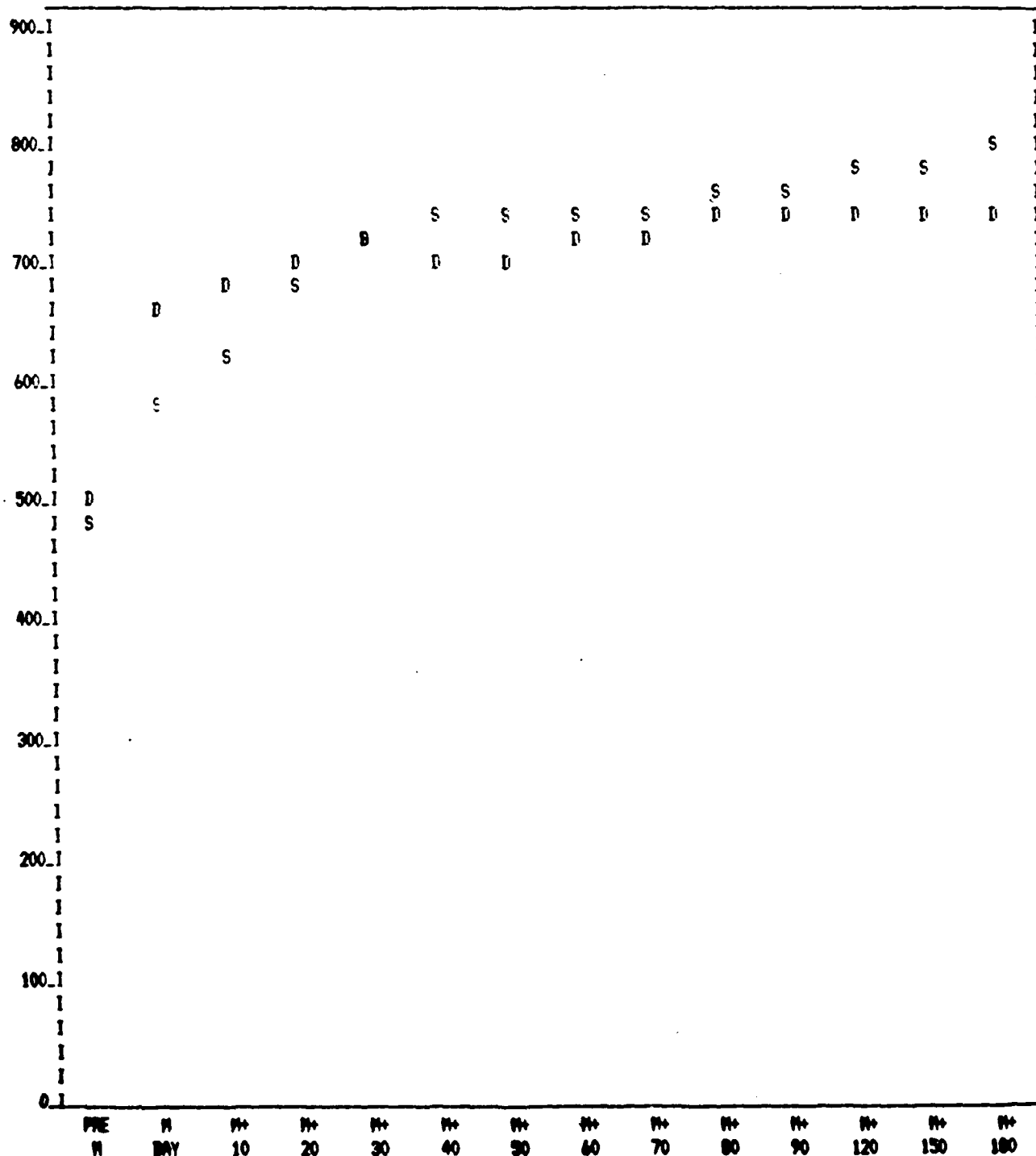


12/23/80 SEAMIX82

21

OFFICERS/ENLISTED CUMULATIVE DEMAND AND SUPPLY COMPARISONS

TRAINED

MANPOWER  
(THOUS)

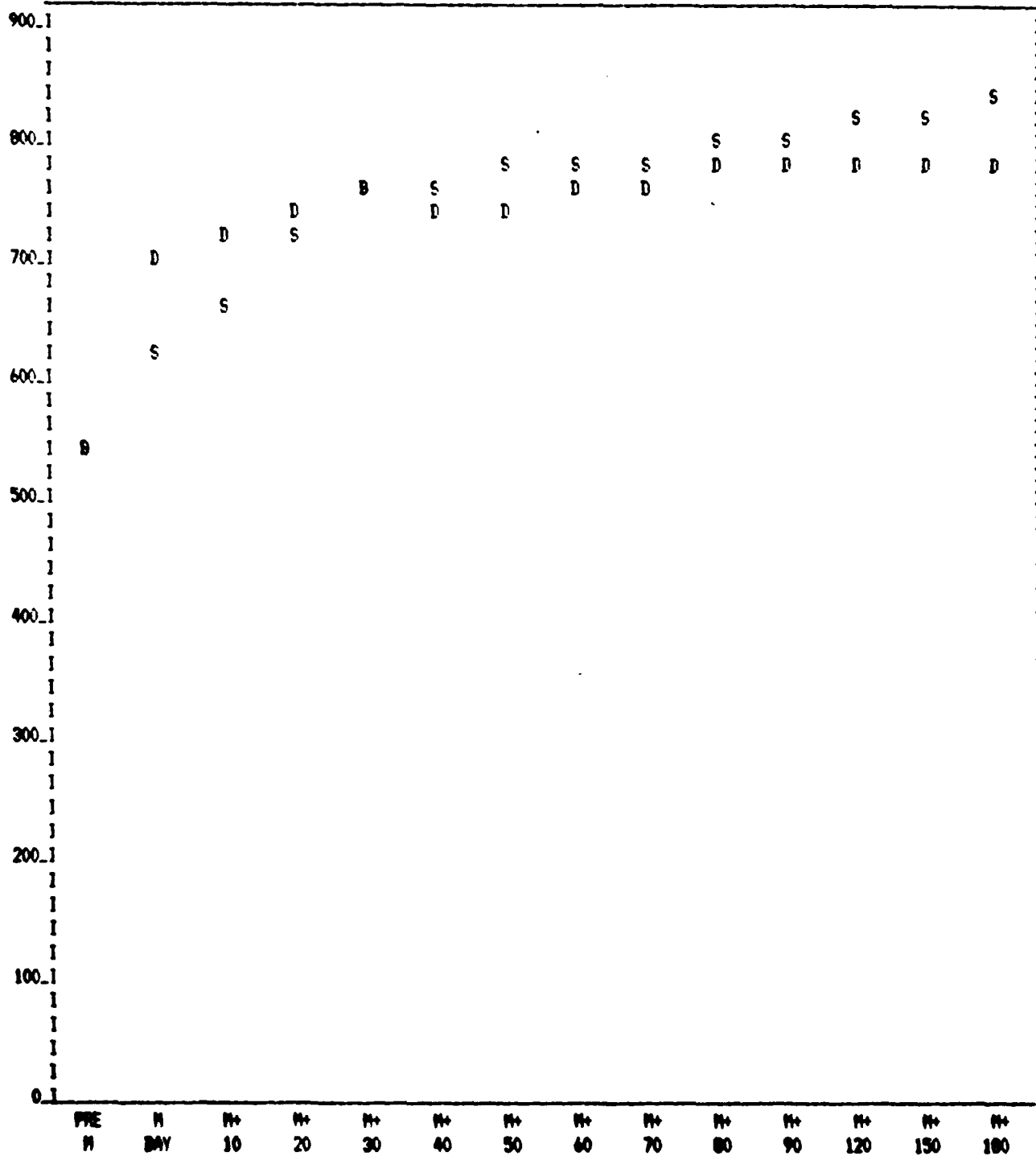
12/23/80 SEAM1782  
OFFICERS/ENLISTED

CUMULATIVE DEMAND AND SUPPLY COMPARISONS

TOTAL

22

MANPOWER  
(THOUS)



III.4 December 31, 1980

SUBJECT: CPAM'83 Wartime Manpower Supply and Demand

Enclosure: (1) Seawar Afloat Casualties Supply and Demand

Extract: Enclosure (1) is reproduced in the following five pages.



12/30/80 SEAWAR82 OFFICERS/ENLISTED

\* CUMULATIVE-SUPPLY \*

	PRE-M	M	M+10	M+20	M+30	M+40	M+50	M+60	M+70	M+80	M+90	M+120	M+150	M+180
TOTAL	542400	627700	673400	736500	765500	779800	787800	791400	795000	802300	805900	823000	835700	848700
TRAINED	499800	585100	630400	694700	724200	741600	748500	751700	754800	761000	766100	783500	795800	809700
INITIAL AF	499800	499800	499800	499800	499800	499800	499800	499800	499800	499800	499800	499800	499800	499800
SELECT RES	0	85300	85300	85300	85300	85300	85300	85300	85300	85300	85300	85300	85300	85300
OTHR INACT	0	0	39000	99000	122100	133300	133300	133300	133300	133300	133300	133300	133300	133300
TRAIN OUTP	0	0	6300	10600	17000	23200	30100	33300	36400	42600	47700	65100	77400	91300
TRAINEE	42600	42600	43000	41800	41300	38200	39300	39700	40200	41300	39800	39500	39900	39000

12/30/80 SEAWAR82 OFFICERS/ENLISTED

\* CUMULATIVE-DEMAND \*

	PRE-M	M	M+10	M+20	M+30	M+40	M+50	M+60	M+70	M+80	M+90	M+120	M+150	M+180
TOTAL	550100	719925	726344	752476	777901	776432	792604	802158	800970	815918	824714	820202	811880	808506
TRAINED	508400	677325	683344	710676	736601	738232	753304	762458	760770	774618	784914	780702	771980	760506
STRUCTURE	452700	596900	600900	625706	636009	634071	634190	629888	620317	630688	625914	625888	625695	626228
NON-STRUCT	55700	75700	74800	72000	78500	40500	39300	41900	40400	40300	52600	52200	50000	50000
CAS-REPLS	0	4725	7644	12970	22092	63661	79814	90670	100053	103630	106400	102614	96285	93278
TRAINEE	41700	42600	43000	41800	41300	38200	39300	39700	40200	41300	39800	39500	39900	39000





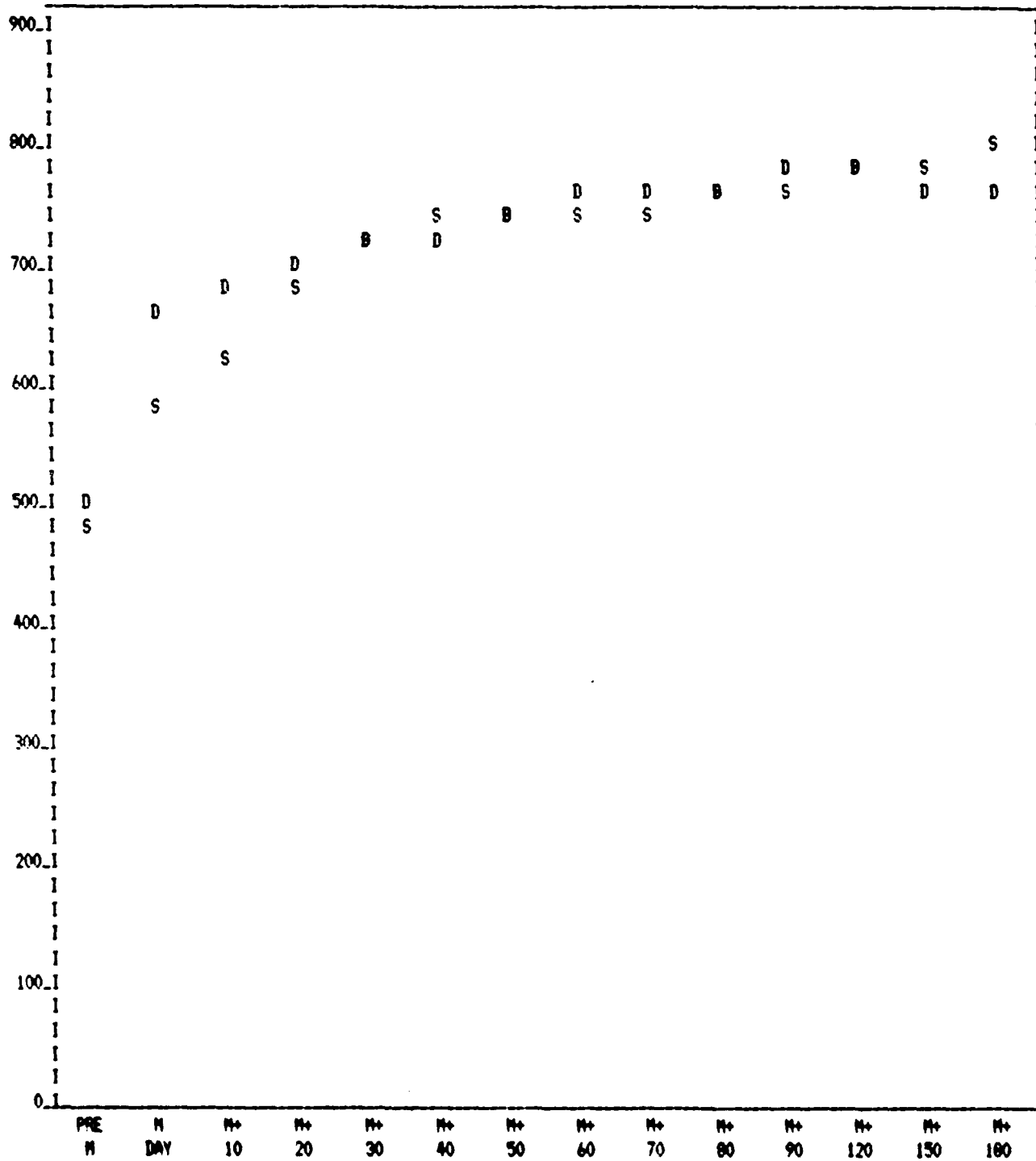
12/30/80 SEAWAR82

OFFICERS/ENLISTED

CUMULATIVE DEMAND AND SUPPLY COMPARISONS

TRAINED

27

MANPOWER  
(THOUS)

12/30/80 SEAWAR82

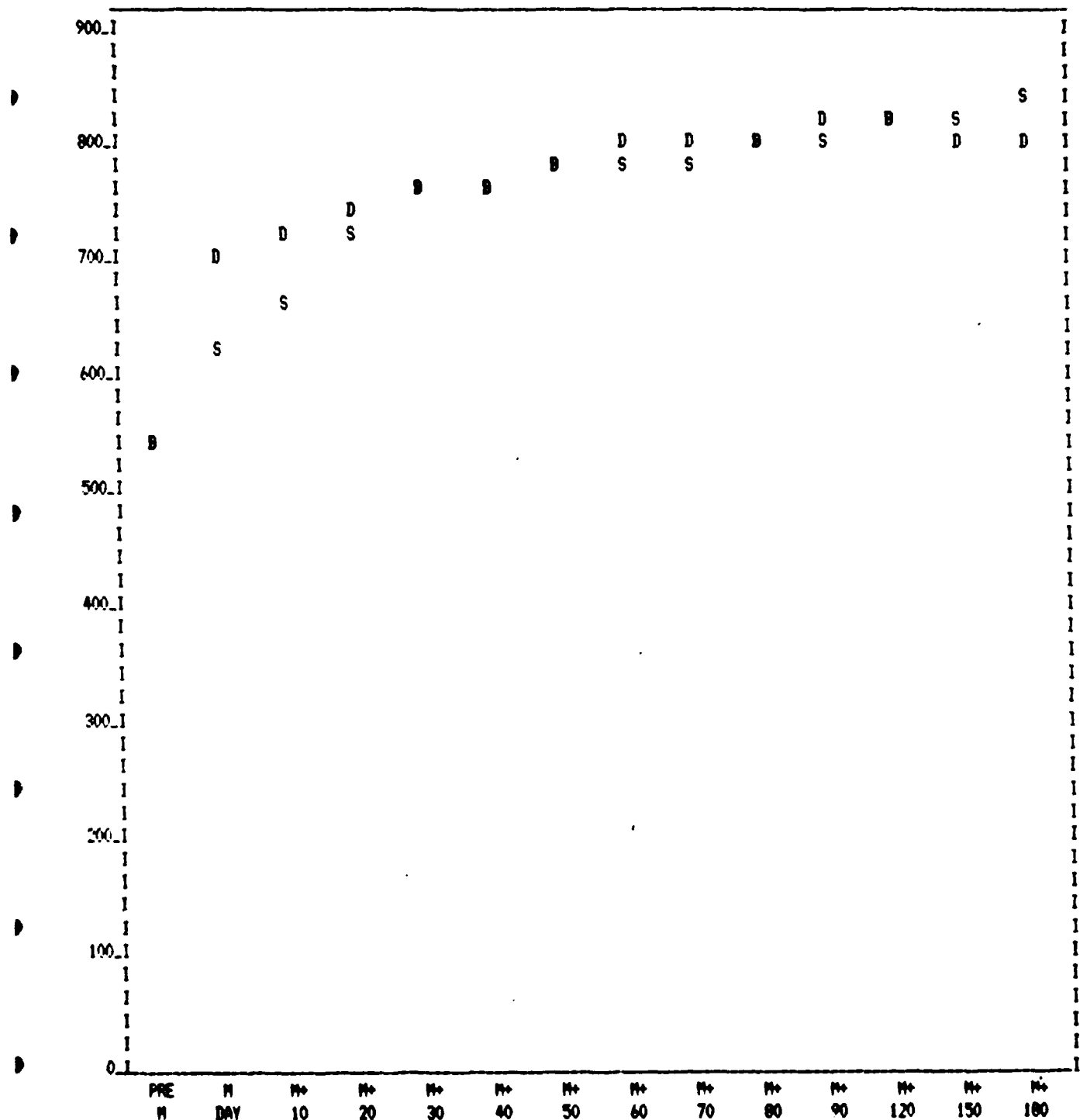
OFFICERS/ENLISTED

CUMULATIVE DEMAND AND SUPPLY COMPARISONS

TOTAL

28

MANPOWER  
(THOUS)



III.5 January 2, 1981

SUBJECT: CPAM'83 Wartime Manpower Supply and Demand

Enclosure: (1) SEAWAR Mod. I

Extract: Enclosure (1) is reproduced in the following five pages.



01/06/80 SEAWAR82M001 OFFICERS/ENLISTED

31

\* CUMULATIVE-SUPPLY \*

	PRE-M	M	M+10	M+20	M+30	M+40	M+50	M+60	M+70	M+80	M+90	M+120	M+150	M+180
TOTAL	529620	550945	596460	671280	692560	728055	766980	769500	772020	777130	779650	791620	800510	809610
TRAINED	499800	521125	566360	642020	663650	701315	739470	741710	743880	748220	751790	763970	772580	782210
INITIAL AF	499800	499800	499800	499800	499800	499800	499800	499800	499800	499800	499800	499800	499800	499800
SELECT RES	0	21325	42650	85300	85300	85300	85300	85300	85300	85300	85300	85300	85300	85300
OTHR INACT	0	0	19500	49500	66650	99975	133300	133300	133300	133300	133300	133300	133300	133300
TRAIN OUTP	0	0	4410	7420	11900	16240	21070	23310	25480	29620	33390	45570	54180	63910
TRAINEE	29820	29820	30100	29260	28910	26740	27510	27790	28140	28910	27860	27650	27930	27300

01/06/80 SEAWAR82M001 OFFICERS/ENLISTED

\* CUMULATIVE-DEMAND \*

	PRE-M	M	M+10	M+20	M+30	M+40	M+50	M+60	M+70	M+80	M+90	M+120	M+150	M+180
TOTAL	537590	707145	713959	741247	767604	768174	785246	795774	795756	811705	822258	824819	823510	826796
TRAINED	508400	677325	683859	711967	738694	741434	757736	767984	767616	782795	794396	797169	795580	799496
STRUCTURE	452700	596900	600900	625706	636009	634071	634190	629888	620317	630688	625914	625882	625695	626228
NON-STRUCT	55700	75700	74800	72000	78500	40500	39300	41900	40400	40300	52600	52200	50000	50000
CAS-REPLS	0	4725	8159	14261	24185	66863	84245	96196	106899	111807	115884	119081	119865	123266
TRAINEE	29190	29820	30100	29260	28910	26740	27510	27790	28140	28910	27860	27650	27930	27300

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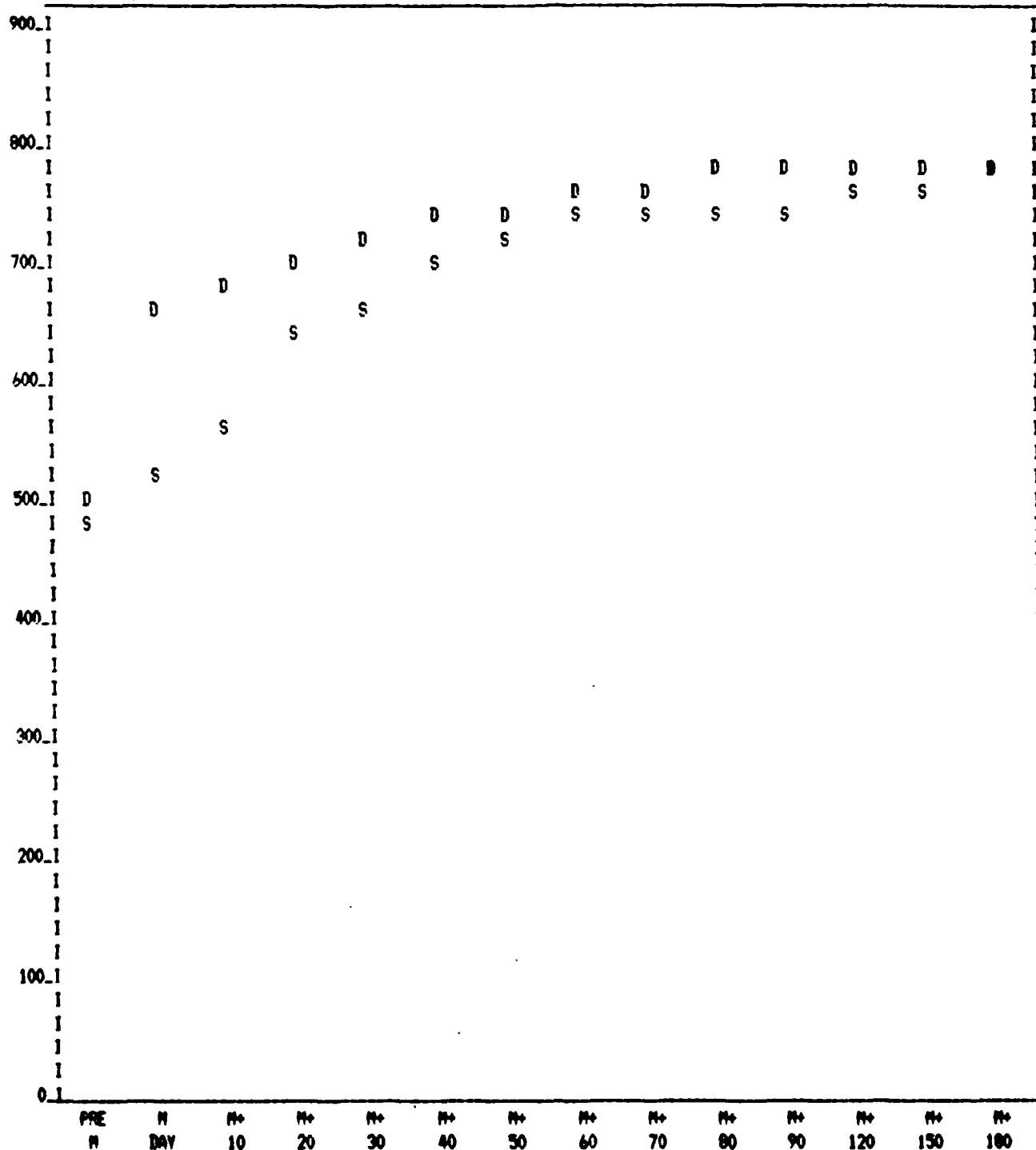
01/06/80 SEAWARS21001

OFFICERS/ENLISTED

CUMULATIVE DEMAND AND SUPPLY COMPARISONS

TRAINED

33

MANPOWER  
(THOUS)



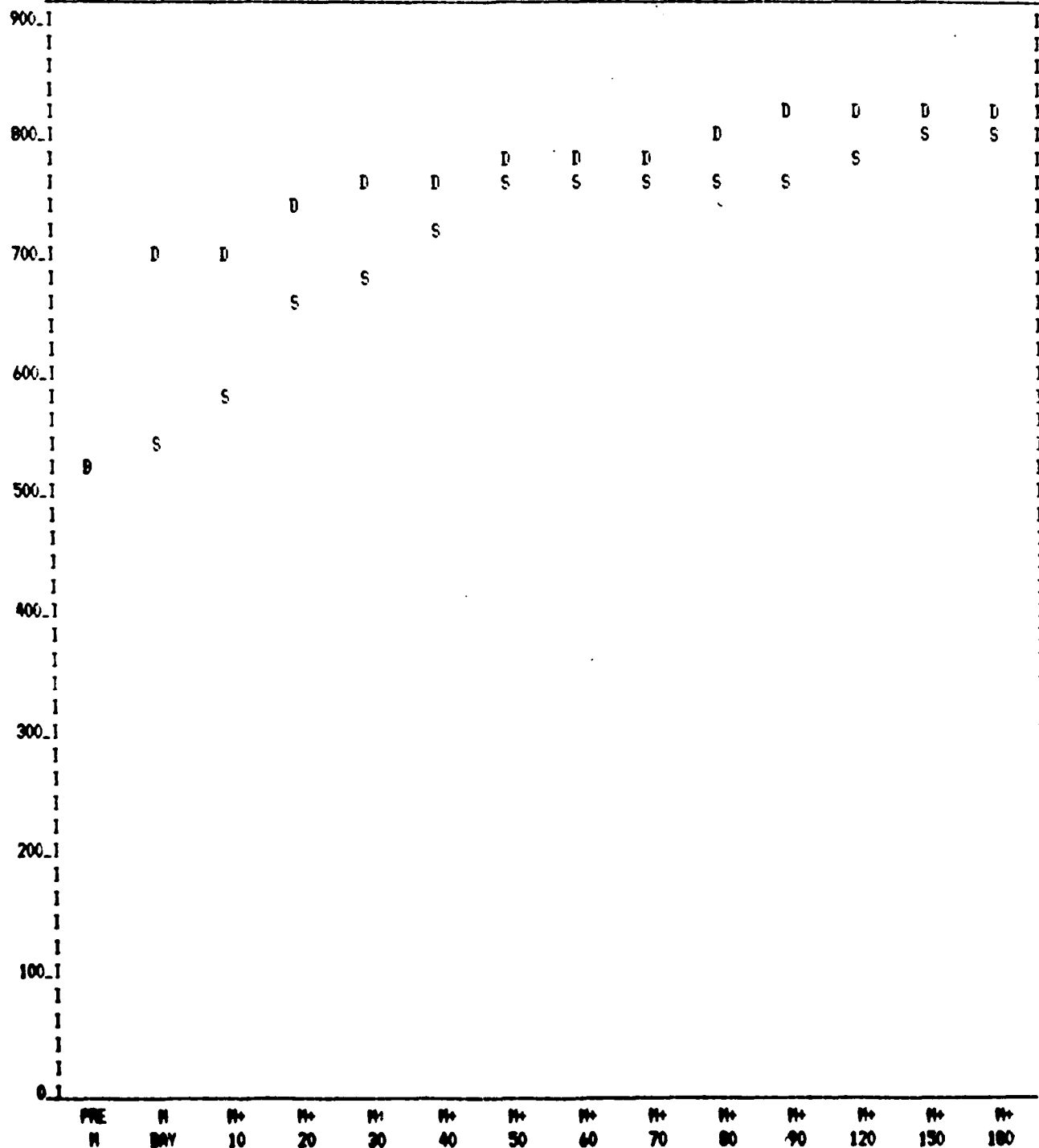
01/06/80 SEANAR82M001

34

OFFICERS/ENLISTED

CUMULATIVE DEMAND AND SUPPLY COMPARISONS

TOTAL

MANPOWER  
(THOUS)

### III.6 February 15, 1981

SUBJECT: Casualty Factors for the Joint Operations Plans System (JOPS)

Enclosure: None

Extract: None

### III.7 Feasibility Study, ASC-P-81-002, February 1981

TITLE: Navy Wartime Skill Analysis: NATO FY'83  
Hospitalmen Supply and Demand

- Enclosures: (1) Hospitalman Requirements by Type Unit
- (2) Additions to MAPMIS Data
  - (3) Hospitalmen Non-Structure Requirements
  - (4) Afloat War Gaming Data
  - (5) Hospitalman Casualties, Returns-to-Duty and Replacement Requirements
  - (6) Hospitalmen Requirements
  - (7) Hospitalman Analysis: FY'83 NATO Requirements
  - (8) Hospitalmen Analysis: Workload Billets (Idealized)
  - (9) HM Supply FY'83
  - (10) Analysis Components

Extracts: Enclosures (1), (2), (3), (4), (6) and (7) are reproduced  
in the following eight pages.

Enclosure (1)

## HOSPITALMAN REQUIREMENTS BY TYPE UNIT

<u>Type Unit Category</u>	<u>FY83</u>	<u>Sel. Res.</u>	<u>Org. Mpwr.</u>
Afloat Units	2,125	319	3,565
Marine Units (Navy Pers.)	2,996	3,718	7,173
Navy Units Ashore with Marines	148	215	480
Ashore Other	<u>14,205</u>	<u>3,197</u>	<u>27,354</u>
TOTALS	19,474	7,449	38,572

## ENCLOSURE (2)

## ADDITIONS TO MAPMIS DATA

<u>Afloat Forces</u>	<u>Additional HM's</u>
New Construction	39
Retained CV's	54
Corrected AH-17	253
S.S. United States	1500
LPH Medical Teams	<u>200</u>
TOTALS	2,046

<u>Ashore Forces</u>	
3 - 250 bed field hospitals	825
2 - 500 bed field hospitals	896
6 - 1000 bed field hospitals	<u>7,290</u>
TOTALS	9,011

	FY83	
add 3 medical companies	177	354
and one hospital company		
to the Marine requirement		<u>          </u>
TOTAL		11,411

## ENCLOSURE (3)

## HOSPITALMEN NON-STRUCTURE REQUIREMENTS

	<u>FY83</u>	<u>Wartime</u>
Students and Trainees <sup>1</sup>	2,864	9,208
TPS&D <sup>2</sup>	<u>1,077</u>	<u>1,077</u>
Total Non-Structure	3,951	10,286
Hospitalmen Requirements Overall (No Shooting)		
Structure Units	19,474	49,983
Non-Structure	<u>3,951</u>	<u>10,286</u>
Total Requirements	23,425	60,269

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<sup>1</sup>From manpower authorizations.

<sup>2</sup>From projected FY83 by OP-122E2.

## ENCLOSURE (4)

## AFLOAT WAR GAMING DATA

Consistent with the billet losses to enemy action and the afloat battle casualty data generated for CPAM-83, the same technique was used on HM's. The sinkings and major battle damage are from SEAWAR'85, where it applies, and from SEAMIN I where necessary. For the 180 day scenario, the total of HM afloat casualties is:

KIA	172
WIA	187
WET	93
Billets Lost	265
Replacement Requirement	531

ENCLOSURE (6)

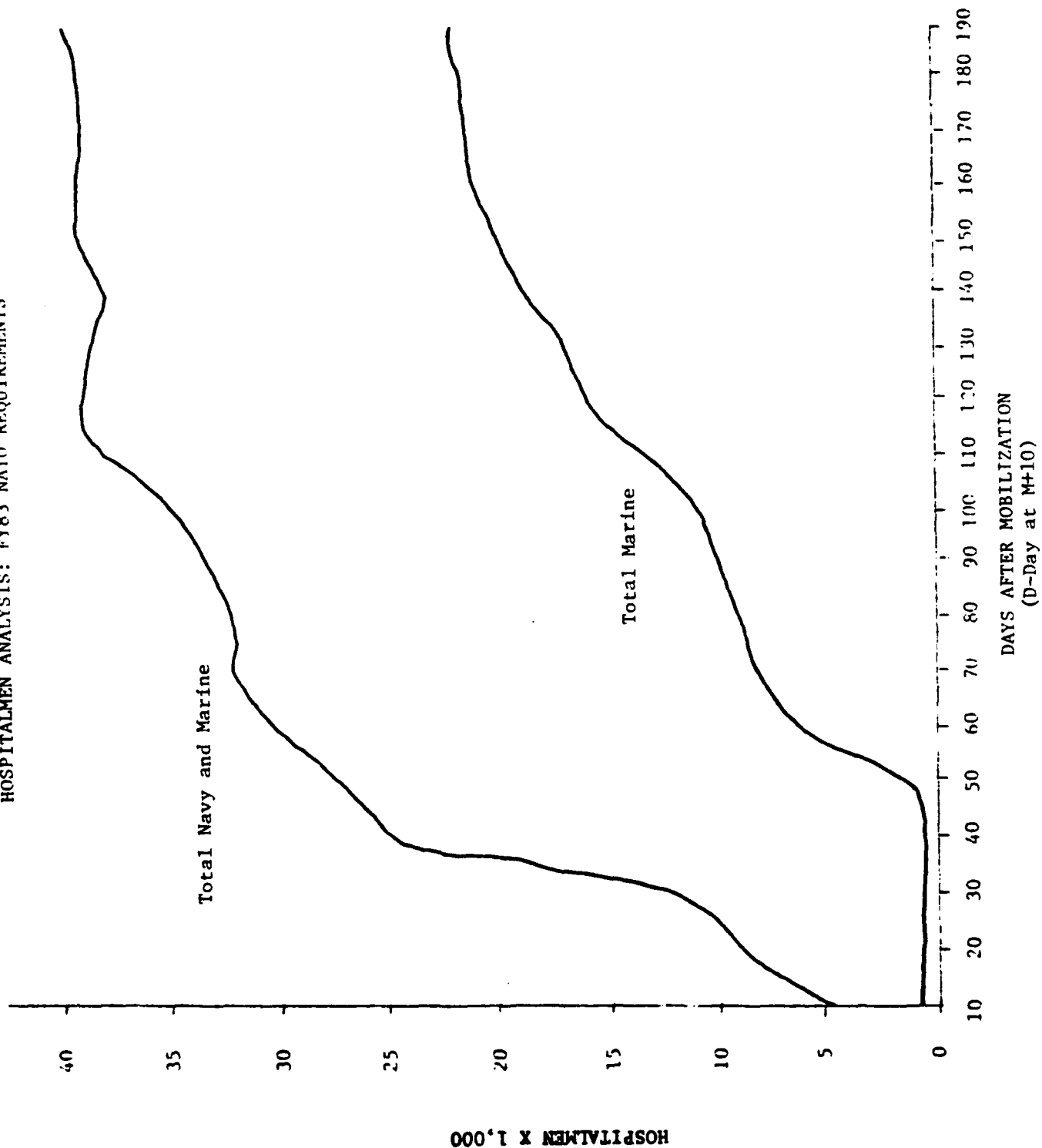
## HOSPITALMEN REQUIREMENTS

First 180 days of an FY83 NATO War:

Structure Units	49,983
(sinkings account for below in replacements)	(-265)
Non-Structure Requirements	10,286
Replacements	3,948
- Navy afloat	531
- Marine Combat	3,075
- Navy/Marine Elsewhere	<u>342</u>
Sub Total	3,948
TOTAL	<u>64,217</u>

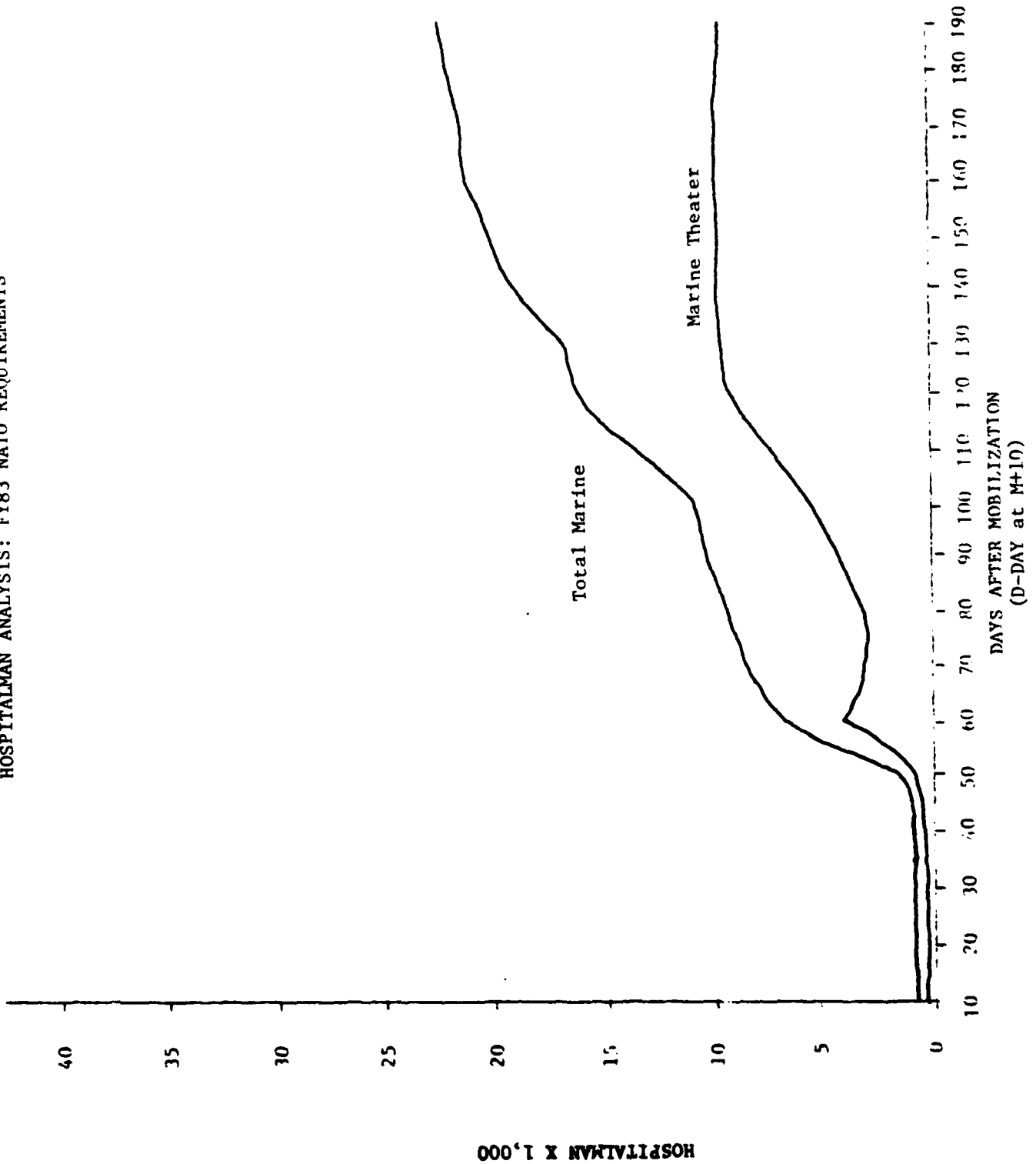
ENCLOSURE (7)

HOSPITALMEN ANALYSIS: FY83 NATO REQUIREMENTS



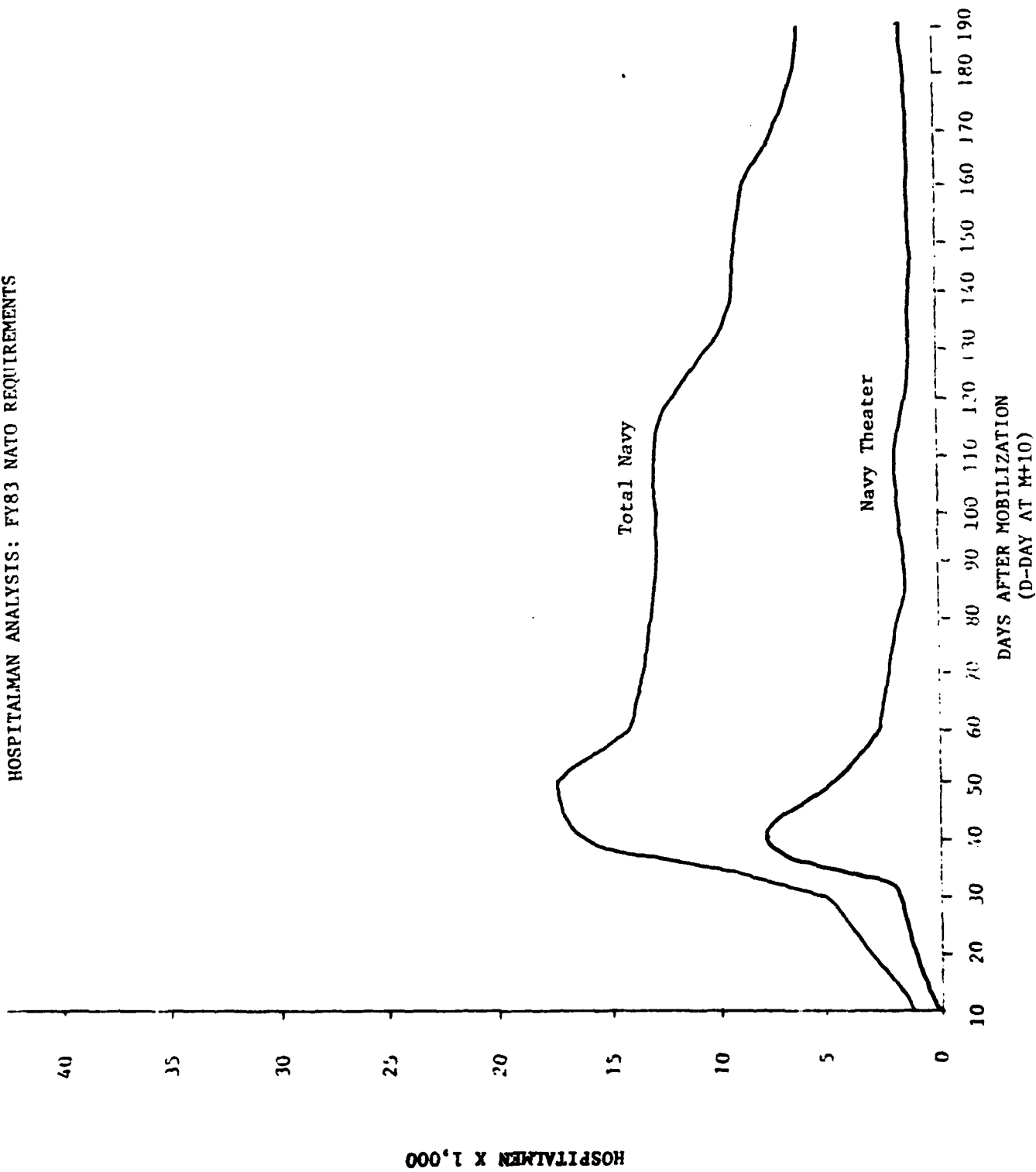


HOSPITALMAN ANALYSIS: FY83 NATO REQUIREMENTS



ENCLOSURE (7)

HOSPITALMAN ANALYSIS: FY83 NATO REQUIREMENTS



III.8 March 24, 1981

SUBJECT: CPAM'83 Wartime Manpower Supply and Demand

Enclosures: (1) SEAWAR Mod. I

(2) HM/OSMOD

Extract: None

III.9 December 1, 1981

SUBJECT: Wartime Manpower for the CPAM Base Case

Enclosures: (1) Manpower for a NATO War in FY84

(2) Major Manpower Changes Compared to CPAM 83

(3) Inactive Military Supply (other than SelRes)

(4) Manpower for a NATO War in FY85

Extract: Enclosure (1) is reproduced in the following twelve pages.

## ENCLOSURE (1)

45

11/25/81 FY80PMBAS OFFICERS/ENLISTED NAVY CPAM BASE CASE

## • CUMULATIVE-SUPPLY •

	PRE-M	M	M+10	M+20	M+30	M+40	M+50	M+60	M+70	M+80	M+90	M+120	M+150	M+180
TOTAL	581000	665625	705325	768325	834125	897225	918625	922225	925825	933625	936625	953425	964958	977392
TRAINED	539400	623125	662425	726625	793025	859125	879325	882425	885525	891625	896725	913525	924992	937692
INITIAL AF	539400	539400	539400	539400	539400	539400	539400	539400	539400	539400	539400	539400	539400	539400
SELECT RES	0	83125	83125	83125	83125	83125	83125	83125	83125	83125	83125	83125	83125	83125
OTHR. INACT	0	600	33600	93600	153600	213600	227400	227400	227400	227400	227400	227400	227400	227400
TRAIN OUTF	0	0	6300	10500	16900	23800	29400	32500	35600	41700	46800	63600	75067	87967
TRAINEE	41600	42500	42900	41700	41200	39100	39300	39800	40300	41400	39900	39900	39967	39500

11/25/81 FY80PMBAS OFFICERS/ENLISTED NAVY CPAM BASE CASE

## • CUMULATIVE-DEMAND •

	PRE-M	M	M+10	M+20	M+30	M+40	M+50	M+60	M+70	M+80	M+90	M+120	M+150	M+180
TOTAL	585500	712293	744338	775574	856314	826020	855834	895151	917149	935652	978882	1027493	1065664	1084774
TRAINED	543900	645793	701936	733674	814314	787920	816539	855252	876849	894222	938982	967596	1025679	1045174
STRUCTURE	476200	582265	637972	631554	694212	690667	704256	726475	735966	741317	761814	785901	806649	819342
NON-STRUCT	67700	81661	84500	81600	85500	47630	46530	49340	47640	47740	60250	60173	60093	59510
CAS-REPLS	0	5667	9466	20715	35107	49623	65021	77597	93049	105175	116918	141522	152797	166726
TRAINEE	41600	42500	42900	41700	41200	39100	39300	39800	40300	41400	39900	39900	39967	39500

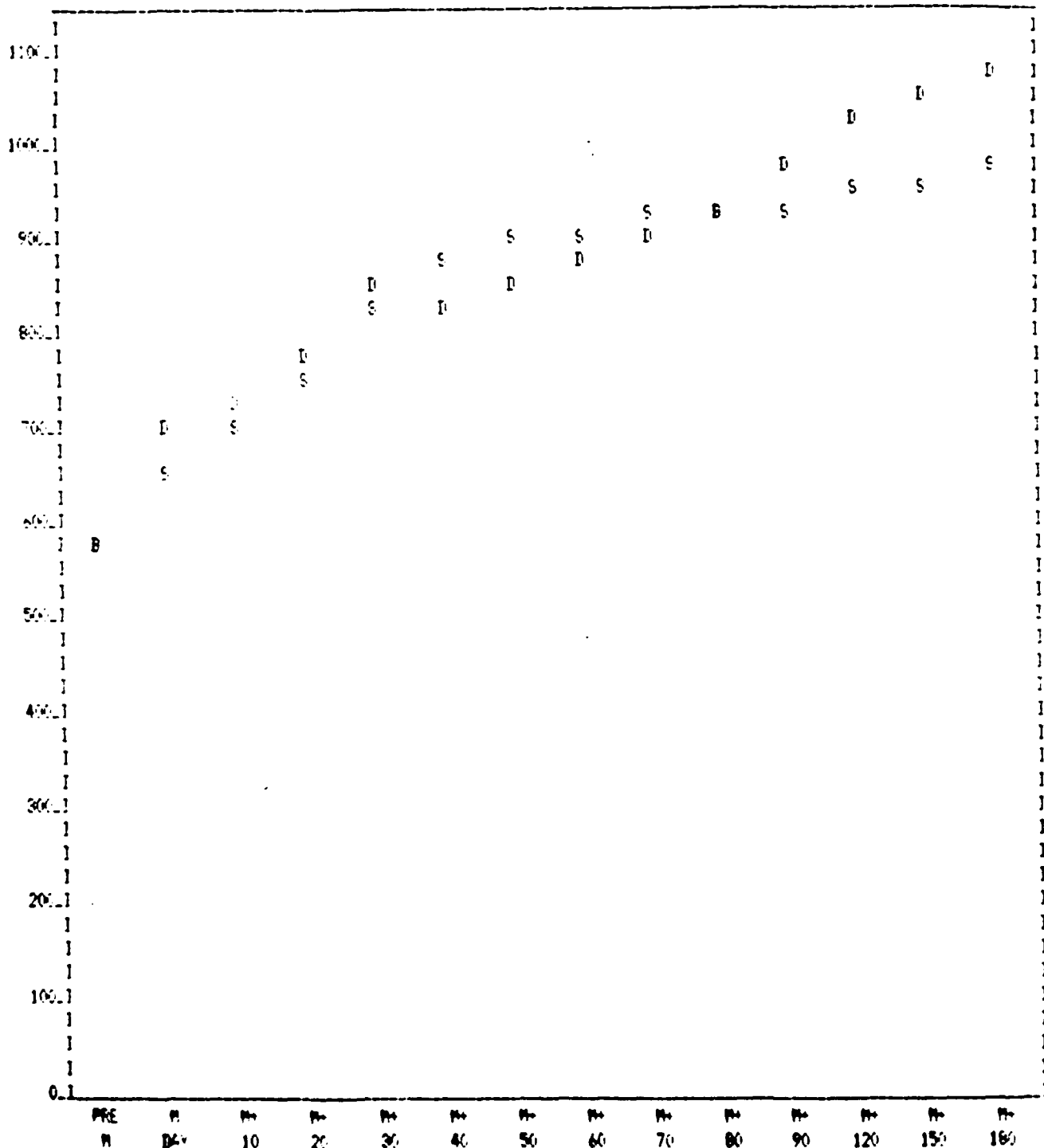
• CUMULATIVE-SUMMARY •

[illegible]

CUMULATIVE DEMAND AND SUPPLY COMPARISONS

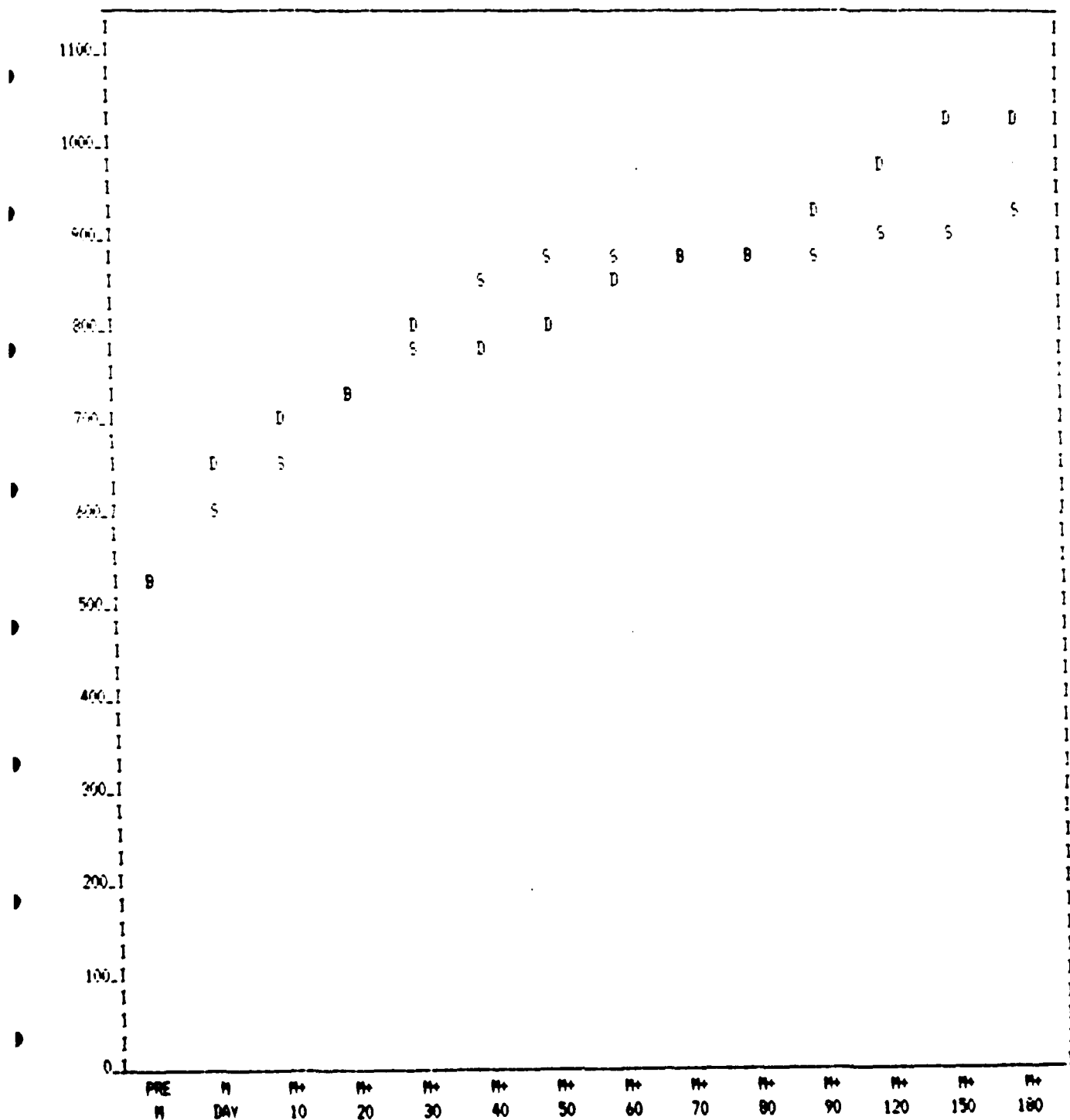
TOTAL

MANPOWER  
(THOUS)



## CUMULATIVE DEMAND AND SUPPLY COMPARISONS

TRAINED

MANPOWER  
(THOUS)

11/25/91

FY 2006

QUESTIONS

NEW YORK BASE CASE

49

• CUMULATIVE-SUPPLY •

PRE-H      H      H+10      H+20      H+30      H+40      H+50      H+60      H+70      H+80      H+90      H+100      H+120      H+150

[illegible]

1	TRAINED	70166	84767	95467	106567	121567	134767	150167	152167	152167	152167	152167	152167	152167
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INITIAL AF 70100 70100 70100 70100 70100 70100 70100 70100 70100 70100 70100 70100 70100 70100

[illegible]

GTHR INVT	0	400	8500	20000	35000	53200	66600	77700	88800	99900	AAA00	BBB00	CCC00
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[illegible][illegible]

11-25-31

FVB/P-MS

OFFICERS

1. 02 23 23 23

• RELATIVE-RANK •

FF-1      1      1-10      1-20      1-30      1-40      1-50      1-60      1-70      1-80      1-90      1-100      1-150      1-200

TOTAL	71496	97458	105362	112162	125368	121915	129311	136326	143277	148362	156691	162352	166214	171115
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TRAINED	71400	67656	105362	112362	125388	121915	129311	135290	142377	142362	156691	172352	185234	191115
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STRUCTURE	59810	75657	83053	88596	100188	104143	110449	115371	121780	125658	132411	145812	156637	161365
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NON-STRUCT	12500	18285	21100	21500	21600	12530	12530	12240	12140	12240	12250	12773	12533	12419
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CAS-REPLS	0	716	1209	2264	3660	4942	6532	7773	9257	11464	11612	14125	15064	17120
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11/25/81

FYSICAFABAS

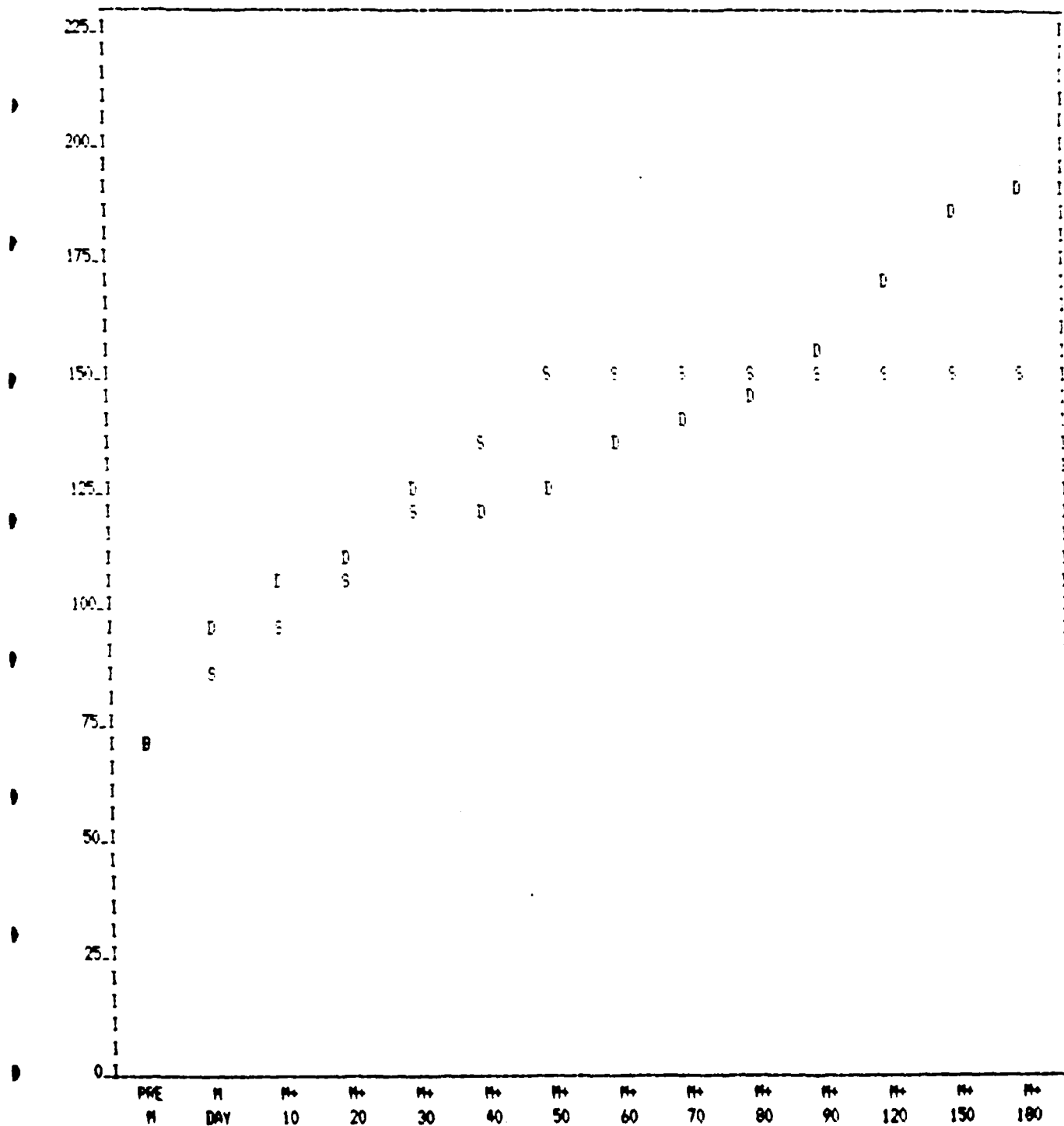
OFFICERS

NAVY OPAM BASE CASE

51

## CUMULATIVE DEMAND AND SUPPLY COMPARISONS

TOTAL

MANPOWER  
(THOUS)

11/25/81

FY83CPMBAS

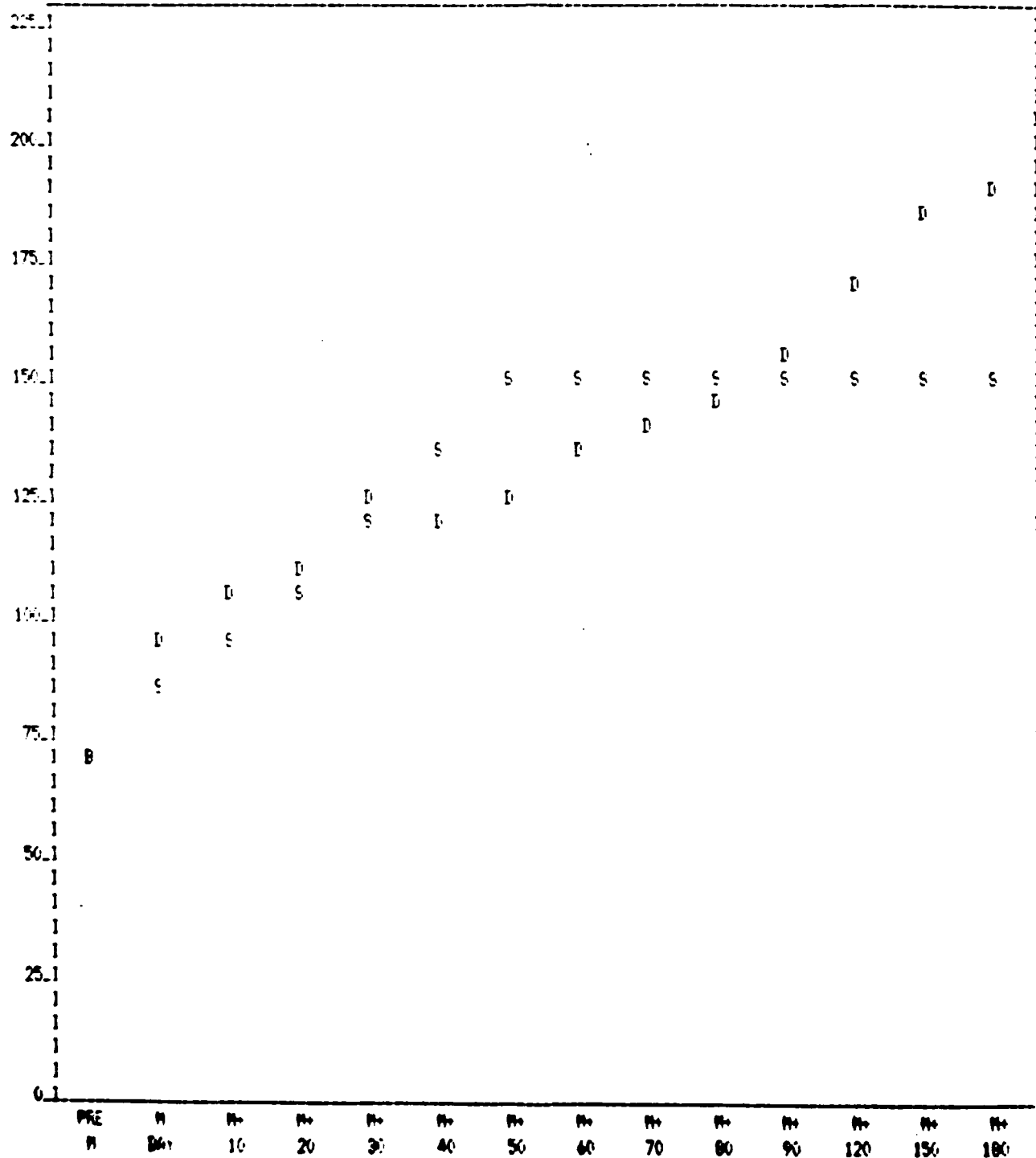
OFFICERS

NAVY OPAM BASE CASE

52

CUMULATIVE DEMAND AND SUPPLY COMPARISONS

TRAINED

MANPOWER  
(THOUS.)

11/25/81 FY83CAME-1 ENLISTED NAVY OPM BASE CASE

\* CUMULATIVE-SUPPLY \*

PRE-#	P	M-10	M-20	M-30	M-40	M-50	M-60	M-70	M-80	M-90	M-120	M-150	M-180	
TOTAL	51097	57063	61023	64173	71263	75743	76543	76933	77263	77963	78343	80023	81177	82425
TRAINEE	46930	53133	56733	62033	67143	71433	72613	72923	73233	73643	74353	76033	77185	78470
INITIAL OF	46930	46930	46930	46930	46930	46930	46930	46930	46930	46930	46930	46930	46930	46930
SELECT RES	0	6663	6663	6663	6663	6663	6663	6663	6663	6663	6663	6663	6663	6663
OT-F INACT	0	200	25100	73600	116600	160400	160600	160600	160600	160600	160600	160600	160600	160600
TRAIN OUTP	0	0	6300	10500	14900	23000	29400	32500	35600	41700	46500	63600	75607	87907
TRAINEE	41600	42500	42900	41700	41200	38100	39300	39800	40300	41400	39900	39900	39907	39500

11/25/81 FY83CAME-1 ENLISTED NAVY OPM BASE CASE

\* CUMULATIVE-DEMAND \*

PRE-#	P	M-10	M-20	M-30	M-40	M-50	M-60	M-70	M-80	M-90	M-120	M-150	M-180	
TOTAL	51410	51405	62945	66221	73001	76405	76521	75762	77372	77170	82222	85514	88041	89364
TRAINEE	47250	57213	59655	62151	69949	66605	66728	71962	73347	74587	78232	81524	84044	85404
STRUCTURE	41740	50320	52495	54241	54424	56524	54534	61310	61418	61565	62181	64009	65021	65765
NON-STRUCT	55100	63276	6349	60100	63900	34800	34200	37100	35500	35500	47900	47800	47500	46900
CAS-REFLS	0	5151	8257	16451	31506	44621	56485	69754	83791	94711	105301	127354	142732	149604
TRAINEE	41600	42500	42900	41700	41200	38100	39300	39800	40300	41400	39900	39900	39907	39500

11/25/61

FV83LPAMAS

ENLISTED

NAVY OFAM BASE CASE

54

• CUMULATIVE-SUMMARY •

[illegible]

11/25/81

FY83CAMEAS

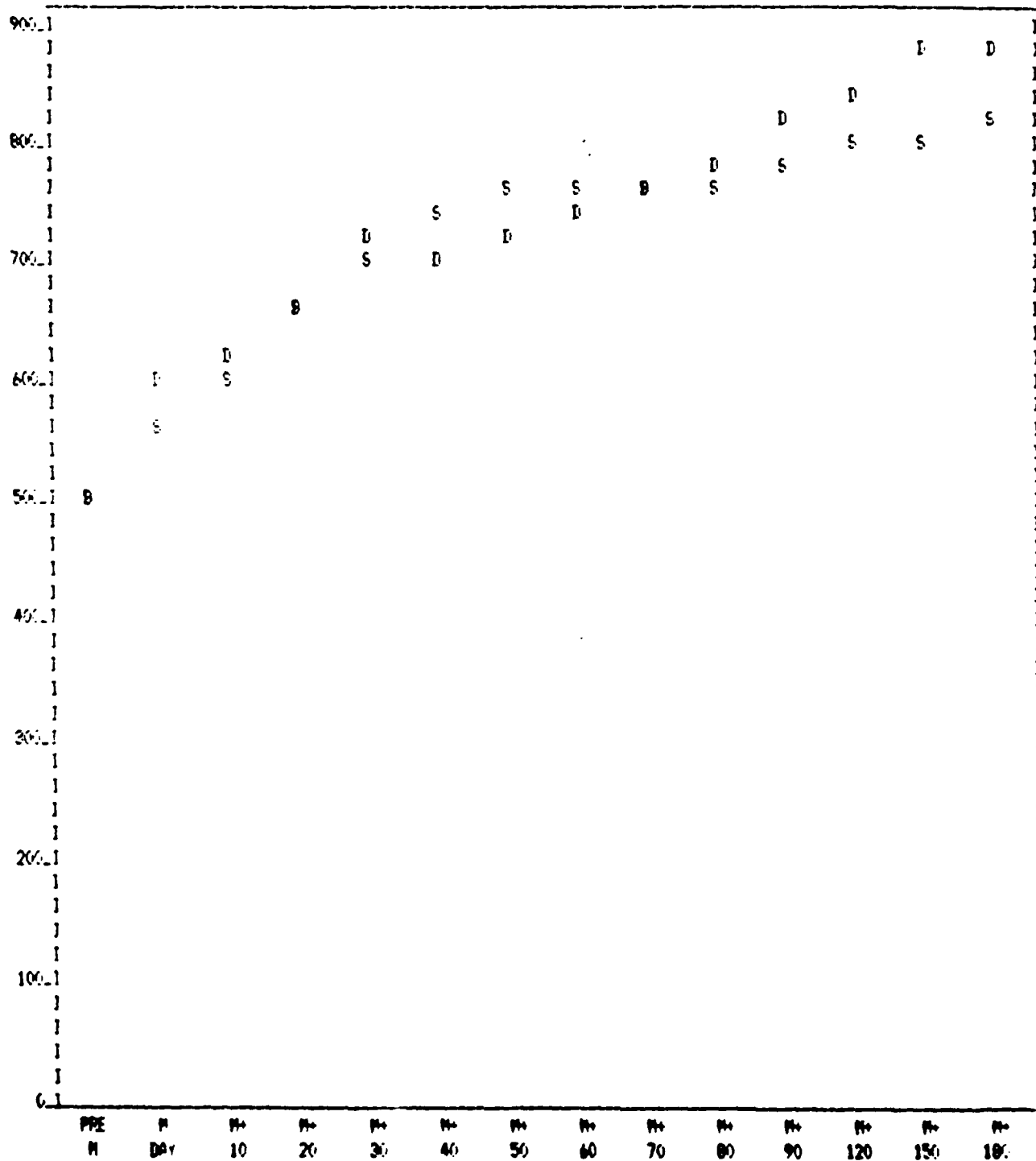
ENLISTED

NAVY CPAN BASE CASE

55

## CUMULATIVE DEMAND AND SUPPLY COMPARISONS

TOTAL

MANPOWER  
(THOUS)

11/25/81

FY83CPABAS

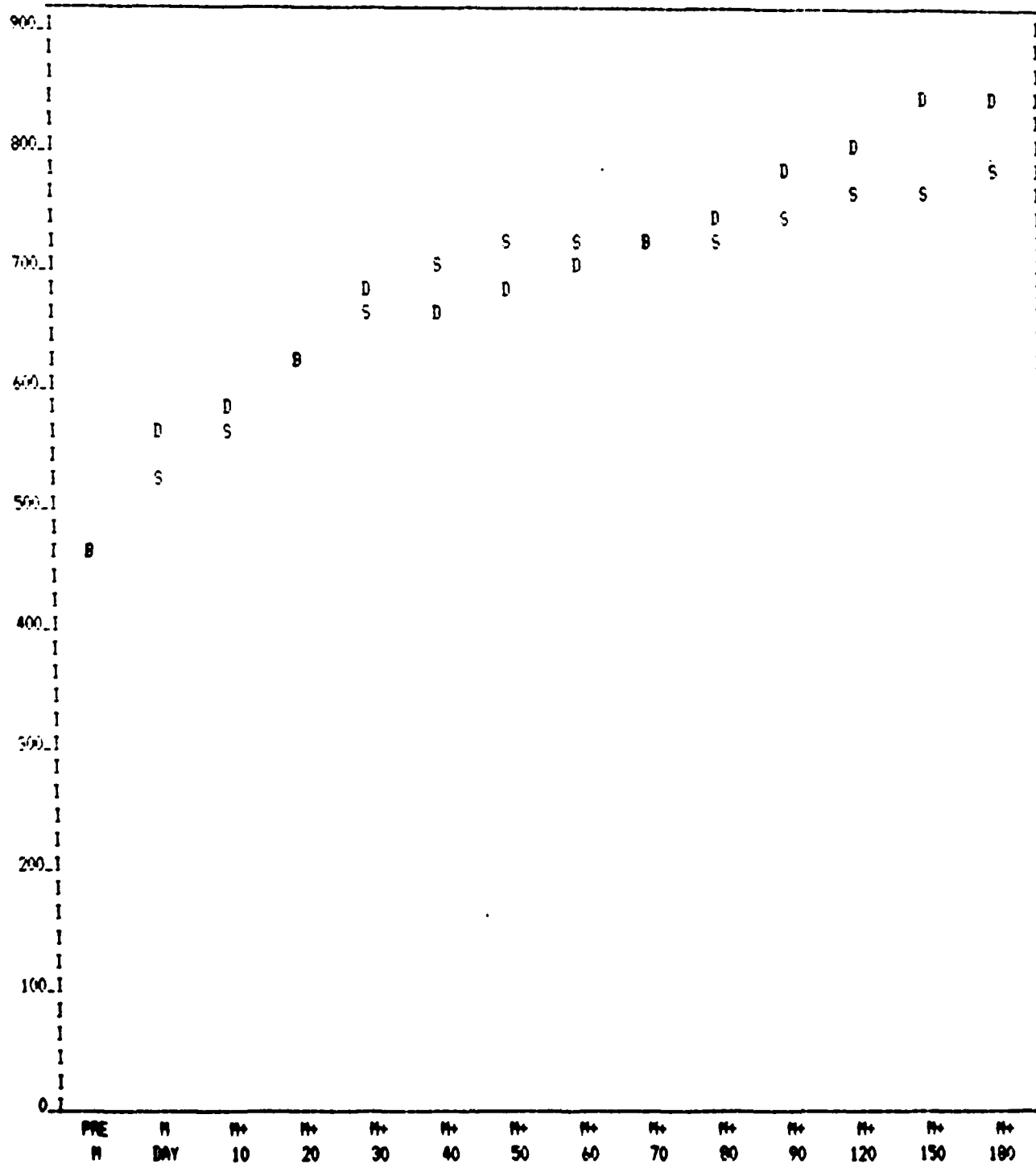
ENLISTED

NAVY CPM BASE CASE

56

## CUMULATIVE DEMAND AND SUPPLY COMPARISONS

TRAINED

MANPOWER  
(THOUS.)

III.10 December 9, 1981

SUBJECT: Wartime Manpower for the CPAM

Enclosures: (1) Manpower for a NATO War in FY88 (Demand Scenario)  
(2) Manpower for a NATO War in FY88 (Requirements Scenario)  
(3) Inactive Military Supply (other than SelRes)  
(4) Major Manpower Changes in "Demand" Scenarios  
(5) Internal Scenario Differences: Demands vice Requirements  
(6) Medical Capabilities in Theaters of Operations as used in POM-83 WARMAPS

Extract: Enclosure (2) is reproduced in the following twelve pages.



12/08/81 FY87CPMREQ OFFICERS/ENLISTED NAVY WORLD-WIDE REQ'TS

## \* CUMULATIVE-SUPPLY \*

	PRE-M	M	M+10	M+20	M+30	M+40	M+50	M+60	M+70	M+80	M+90	M+120	M+150	M+180
TOTAL	617300	713600	753300	816300	882200	945200	1012800	1064200	1067800	1075000	1078600	1095400	1106933	1119367
TRAINED	568000	661500	700800	765000	831400	897500	963900	1014800	1017900	1024000	1029100	1045900	1057367	1070267
INITIAL AF	568000	568000	568000	568000	568000	568000	568000	568000	568000	568000	568000	568000	568000	568000
SELECT RES	0	92600	92600	92600	92600	92600	92600	92600	92600	92600	92600	92600	92600	92600
OTHR INACT	0	900	33900	93900	153900	213900	273900	321700	321700	321700	321700	321700	321700	321700
TRAIN OUTP	0	0	6300	10500	16900	23000	29400	32500	35600	41700	46800	63600	75067	87967
TRAINEE	49300	52100	52500	51300	50800	47700	48900	49400	49900	51000	49500	49500	49567	49100

12/08/81 FY87CPMREQ OFFICERS/ENLISTED NAVY WORLD-WIDE REQ'TS

## \* CUMULATIVE-DEMAND \*

	PRE-M	M	M+10	M+20	M+30	M+40	M+50	M+60	M+70	M+80	M+90	M+120	M+150	M+180
TOTAL	613899	815772	885885	923390	981275	951448	960251	984947	991393	1002071	1035311	1036363	1045077	1061204
TRAINED	564599	765672	833385	872090	930475	903748	911351	935547	941493	951071	985811	986863	995510	1012104
STRUCTURE	501999	682392	743795	774338	820852	824286	820671	833311	829482	831987	848073	843549	849596	861163
NON-STRUCT	62600	77300	80200	78200	78100	36030	34930	37740	36240	36140	48650	48573	48433	47910
CAS-REPLS	0	5980	9390	19552	31523	43432	55750	64496	75771	82944	89088	94740	97481	103031
TRAINEE	49300	50100	52500	51300	50800	47700	48900	49400	49900	51000	49500	49500	49567	49100

• CUMULATIVE-SUMMARY •

[illegible]

12/08/81

FY87CWPRED

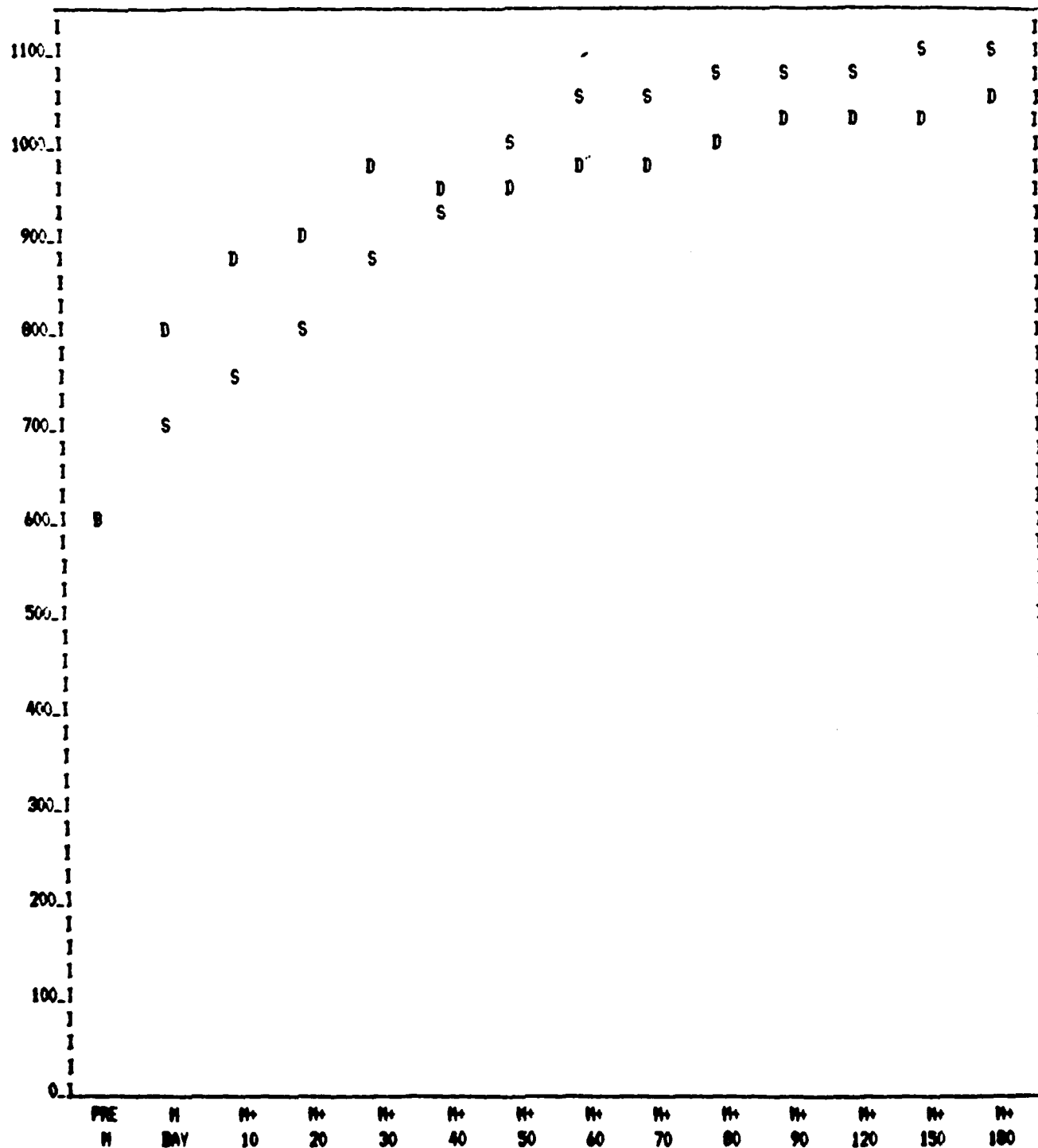
OFFICERS/ENLISTED

NAVY WORLD-WIDE REB'TRITS

60

## CUMULATIVE DEMAND AND SUPPLY COMPARISONS

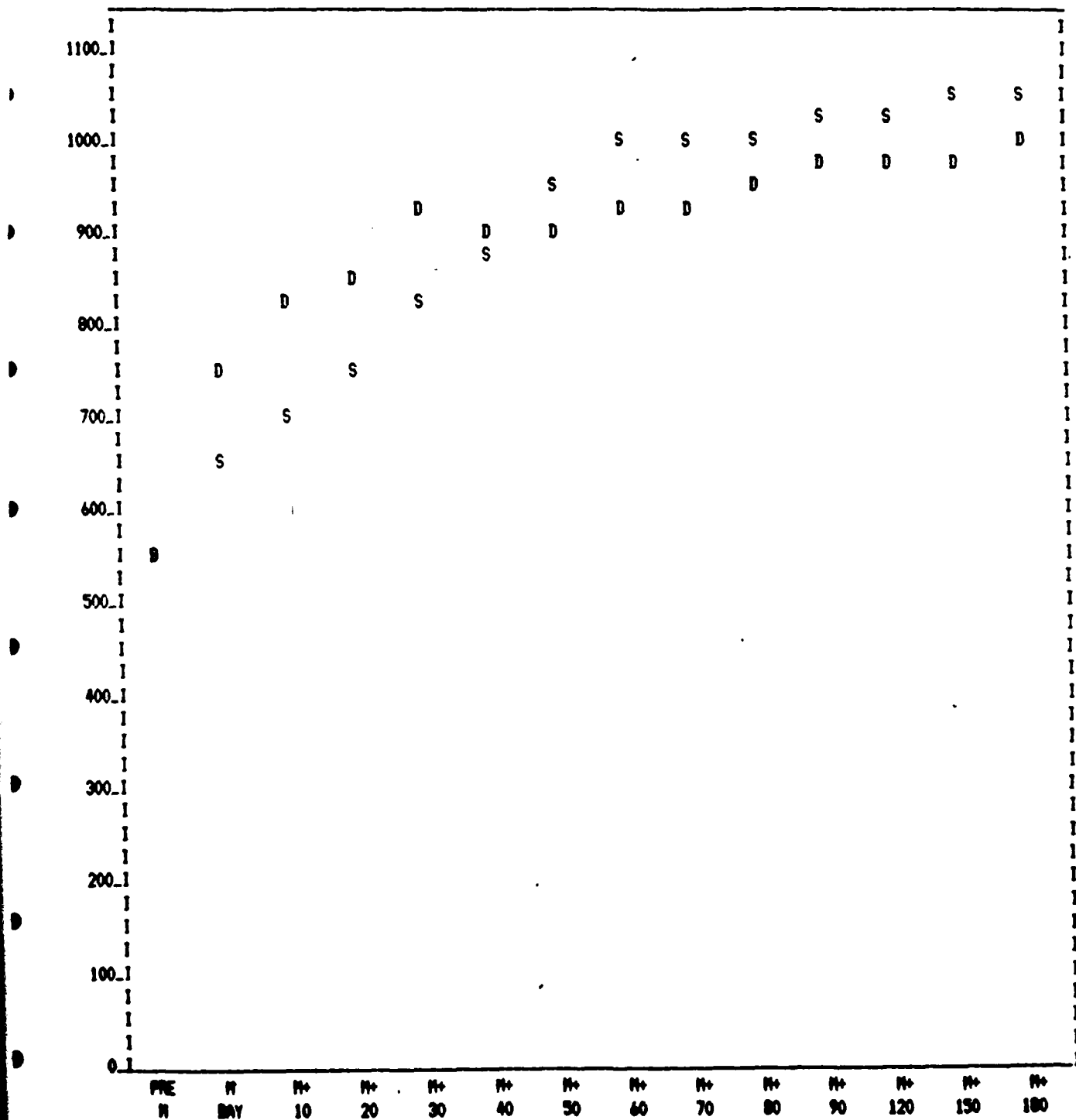
TOTAL

NONPOWER  
(THOUS)

CUMULATIVE DEMAND AND SUPPLY COMPARISONS

TRAINED

MANPOWER  
(THOUS)



12/08/81

FY87CPNRED

### OFFICERS

NAVY WORLD-WIDE REQ'TS

62

• CUMULATIVE-SUPPLY •

[illegible]

12/08/81

FY87CPANREQ

### OFFICERS

NAVY WORLD-WIDE REQ'MNTS

\* CUMULATIVE-DEMAND \*

[illegible]



12/08/81

FY87CPWREQ

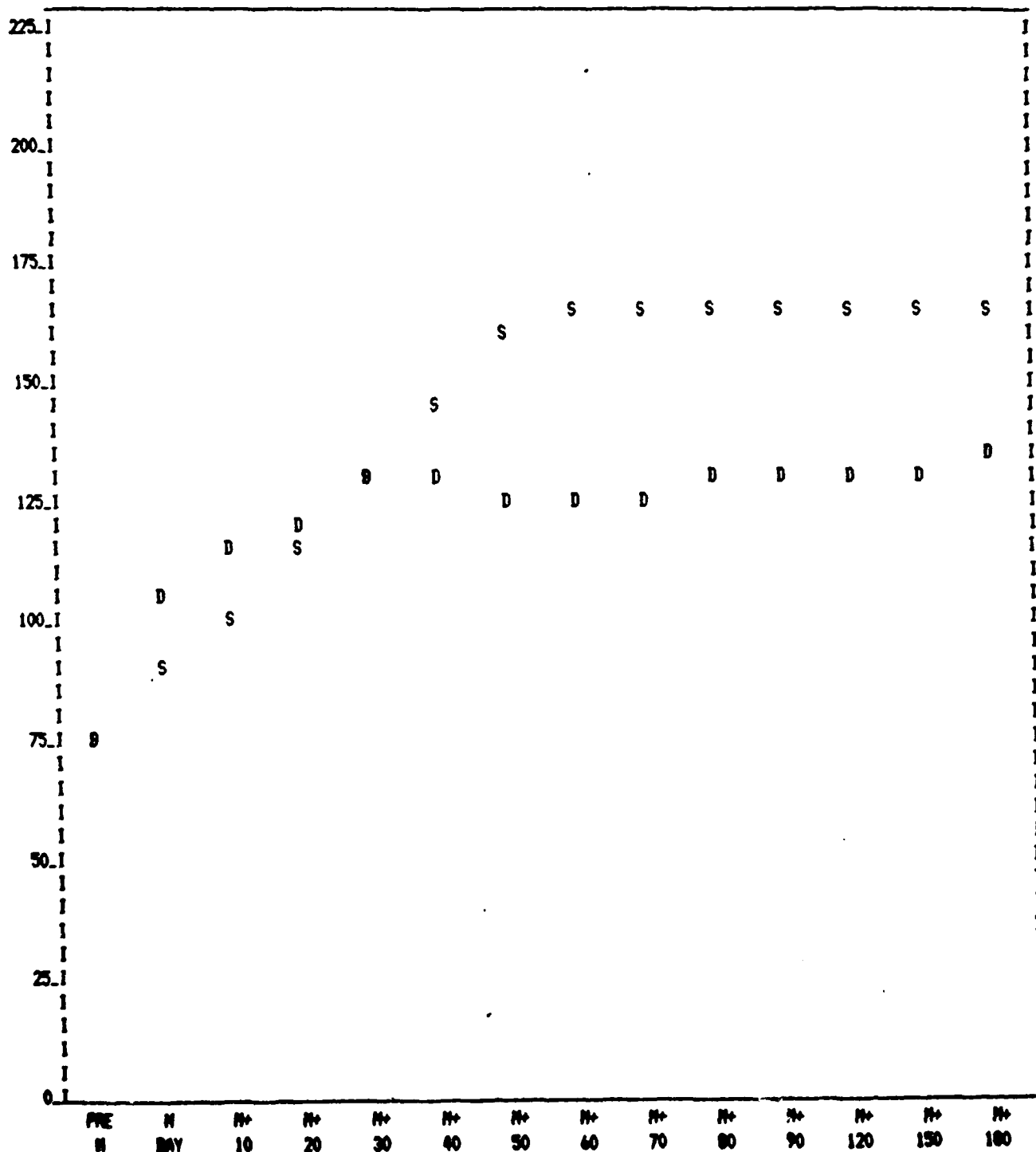
OFFICERS

NAVY WORLD-WIDE REQUIREMENTS

64

## CUMULATIVE DEMAND AND SUPPLY COMPARISONS

TOTAL

MANPOWER  
(THOUS)

12/08/81

FY87CAPWRE9

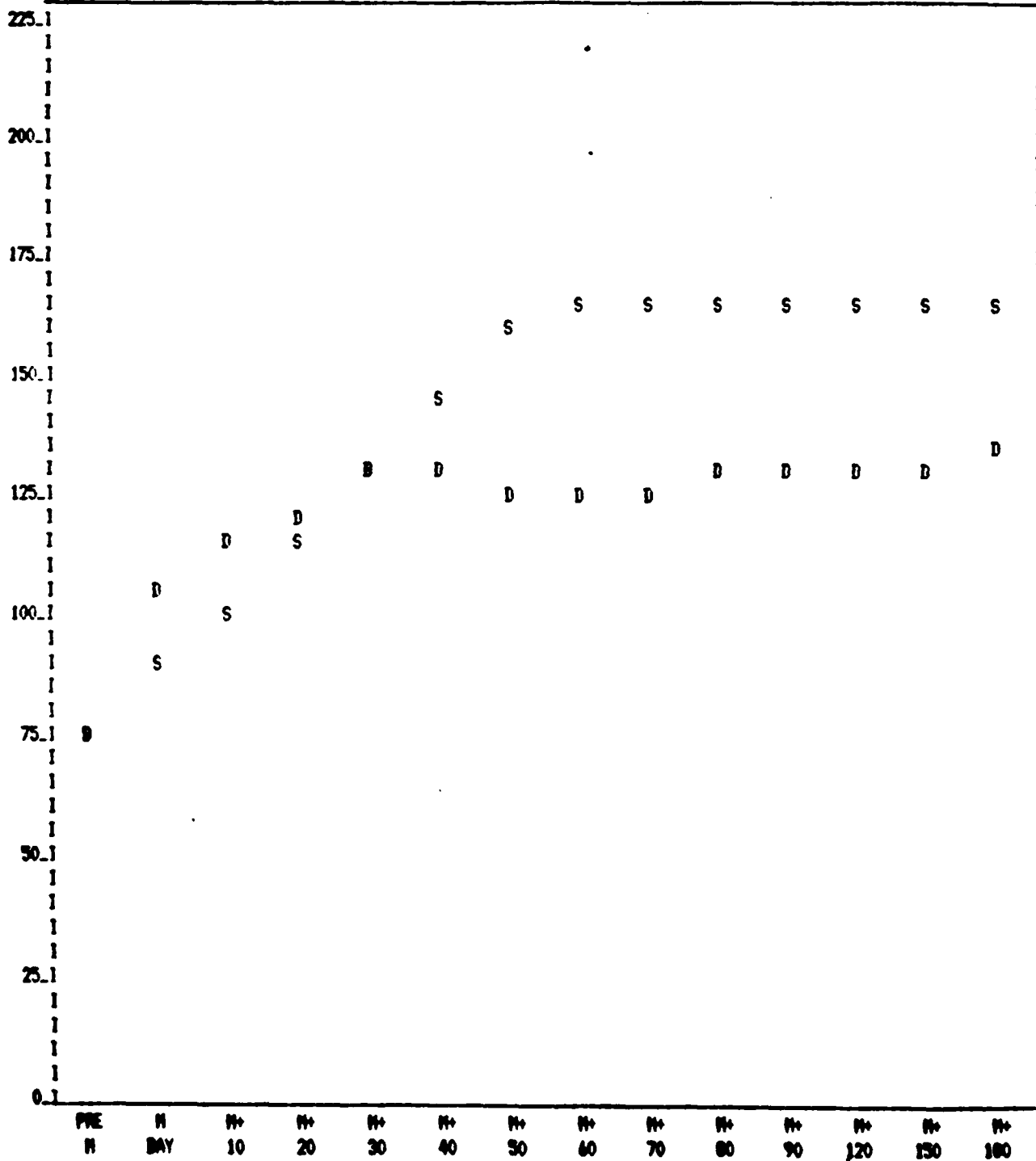
OFFICERS

NAVY WORLD-WIDE REG'NTS

65

## CUMULATIVE DEMAND AND SUPPLY COMPARISONS

TRAINED

MANPOWER  
(THOUS)



12/08/81 FY87CPMREQ ENLISTED NAVY WORLD-WIDE REQ'NTS

## \* CUMULATIVE-SUPPLY \*

	PRE-M	M	M+10	M+20	M+30	M+40	M+50	M+60	M+70	M+80	M+90	M+120	M+150	M+180
TOTAL	542100	619800	651400	700500	751400	799400	852000	895000	898600	905800	909400	926200	937733	950167
TRAINED	492800	567700	598900	649200	700600	751700	803100	845600	848700	854800	859900	876700	888167	901067
INITIAL AF	492800	492800	492800	492800	492800	492800	492800	492800	492800	492800	492800	492800	492800	492800
SELECT RES	0	74400	74400	74400	74400	74400	74400	74400	74400	74400	74400	74400	74400	74400
OTHR INACT	0	500	25400	71500	116500	161500	206500	245900	245900	245900	245900	245900	245900	245900
TRAIN OUTP	0	0	6300	10500	16900	23000	29400	32500	35600	41700	46800	63600	75067	87967
TRAINEE	49300	52100	52500	51300	50800	47700	48900	49400	49900	51000	49500	49500	49567	49100

12/08/81 FY87CPMREQ ENLISTED NAVY WORLD-WIDE REQ'NTS

## \* CUMULATIVE-DEMAND \*

	PRE-M	M	M+10	M+20	M+30	M+40	M+50	M+60	M+70	M+80	M+90	M+120	M+150	M+180
TOTAL	537348	706623	770323	803384	847739	821205	834679	856542	861851	871759	901457	902815	910314	924335
TRAINED	488048	658523	717823	752084	796939	773505	785779	807142	811951	820759	851957	853315	860747	875235
STRUCTURE	439348	595090	651721	679172	711611	709779	711701	722310	718542	720930	734220	730778	736193	746427
NON-STRUCT	48700	58200	57900	55500	57100	24800	24200	27100	25500	25500	37900	37800	37500	36900
CAS-REPLS	0	5233	8202	17412	28228	38926	49878	57732	67909	74329	79837	84737	87054	91908
TRAINEE	49300	50100	52500	51300	50800	47700	48900	49400	49900	51000	49500	49500	49567	49100

12/08/81

**FY87OPATRE9**

**ENLISTED**

## NAVY WORLD-WIDE REQ'TS

67

• CUMULATIVE-SUMMARY •

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12/08/81

FY87COMPER

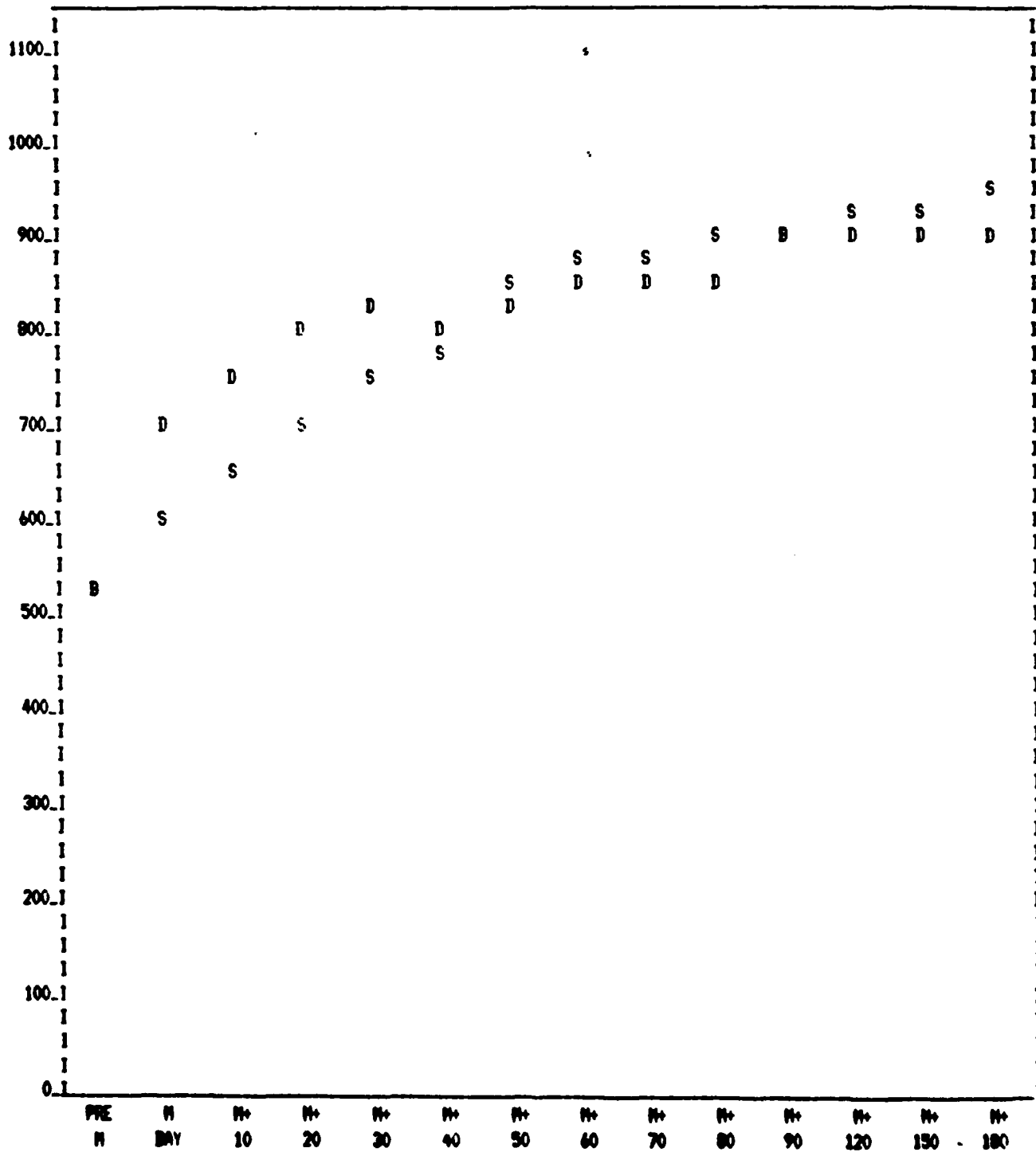
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NAVY WORLD-WIDE REQUIREMENTS

68

## CUMULATIVE DEMAND AND SUPPLY COMPARISONS

TOTAL

MANPOWER  
(THOUS)

12/08/81

FY87CPMVER

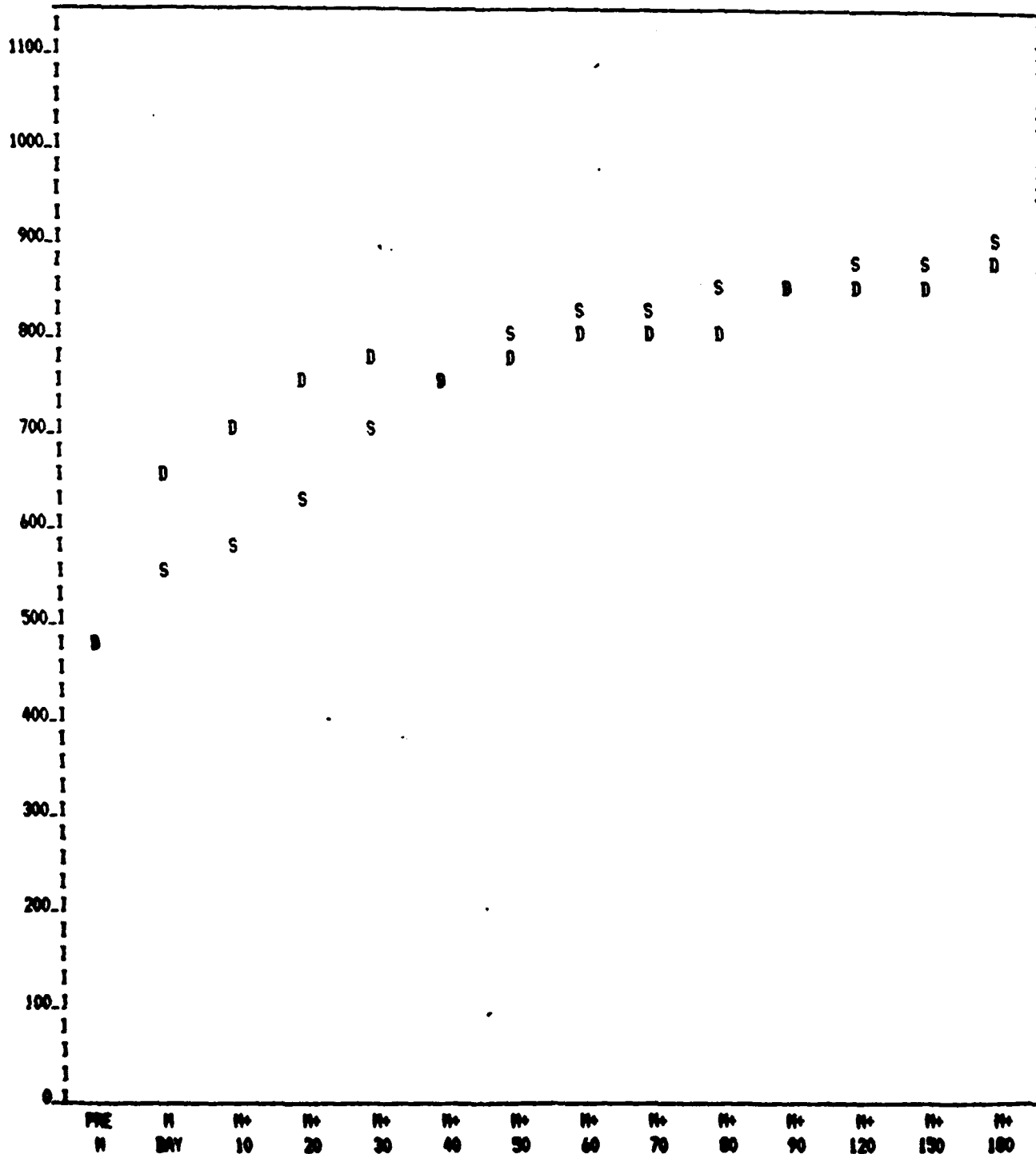
ENLISTED

NAVY WORLD-WIDE REQUIRMENTS

69

CUMULATIVE DEMAND AND SUPPLY COMPARISONS

TRAINED

MANPOWER  
(THOUS)

III.11 December 14, 1981

SUBJECT: Corrections to the Wartime Manpower for FY'87-FY'88

Enclosures: (1) Manpower for a NATO War in FY'88 (Demand Scenario)

(2) Manpower for a NATO War in FY'88 (Requirements Scenario)

(3) Inactive Personnel Supplies (other than SelRes)

Extract: Enclosure (2) is reproduced in the following sixteen pages.

12/11/81 FY87CPAHREQ OFFICERS/ENLISTED NAVY WORLD-WIDE REQ'MNTS

71

\* CUMULATIVE-SUPPLY \*

	PRE-M	M	M+10	M+20	M+30	M+40	M+50	M+60	M+70	M+80	M+90	M+120	M+150	M+180
TOTAL	617300	713600	753300	816300	882200	945200	996700	1000300	1003900	1011100	1014700	1031500	1043033	1055467
TRAINED	568000	661500	700800	765000	831400	897500	947800	950900	954000	960100	965200	982000	993467	1006367
INITIAL AF	568000	568000	568000	568000	568000	568000	568000	568000	568000	568000	568000	568000	568000	568000
SELECT RES	0	92600	92600	92600	92600	92600	92600	92600	92600	92600	92600	92600	92600	92600
OTHR INACT	0	900	33900	93900	153900	213900	257800	257800	257800	257800	257800	257800	257800	257800
TRAIN OUTP	0	0	6300	10500	16900	23000	29400	32500	35600	41700	46800	63600	75067	87967
TRAINEE	49300	52100	52500	51300	50800	47700	48900	49400	49900	51000	49500	49500	49567	49100

12/11/81 FY87CPAHREQ OFFICERS/ENLISTED NAVY WORLD-WIDE REQ'MNTS

\* CUMULATIVE-DEMAND \*

	PRE-M	M	M+10	M+20	M+30	M+40	M+50	M+60	M+70	M+80	M+90	M+120	M+150	M+180
TOTAL	613899	815772	885885	923390	981275	951448	960251	984947	991393	1002071	1035311	1036363	1045077	1061204
TRAINED	564599	765672	833385	872090	930475	903748	911351	935547	941493	951071	985811	986863	995510	1012104
STRUCTURE	501999	682392	743795	774338	820852	824286	820671	833311	829482	831987	848073	843549	849596	861163
NON-STRUCT	62600	77300	80200	78200	78100	36030	34930	37740	36240	36140	48650	48573	48433	47910
CAS-REPLS	0	5980	9390	19552	31523	43432	55750	64496	75771	82944	89088	94740	97481	103031
TRAINEE	49300	50100	52500	51300	50800	47700	48900	49400	49900	51000	49500	49500	49567	49100



12/11/81

FY87CPWNER

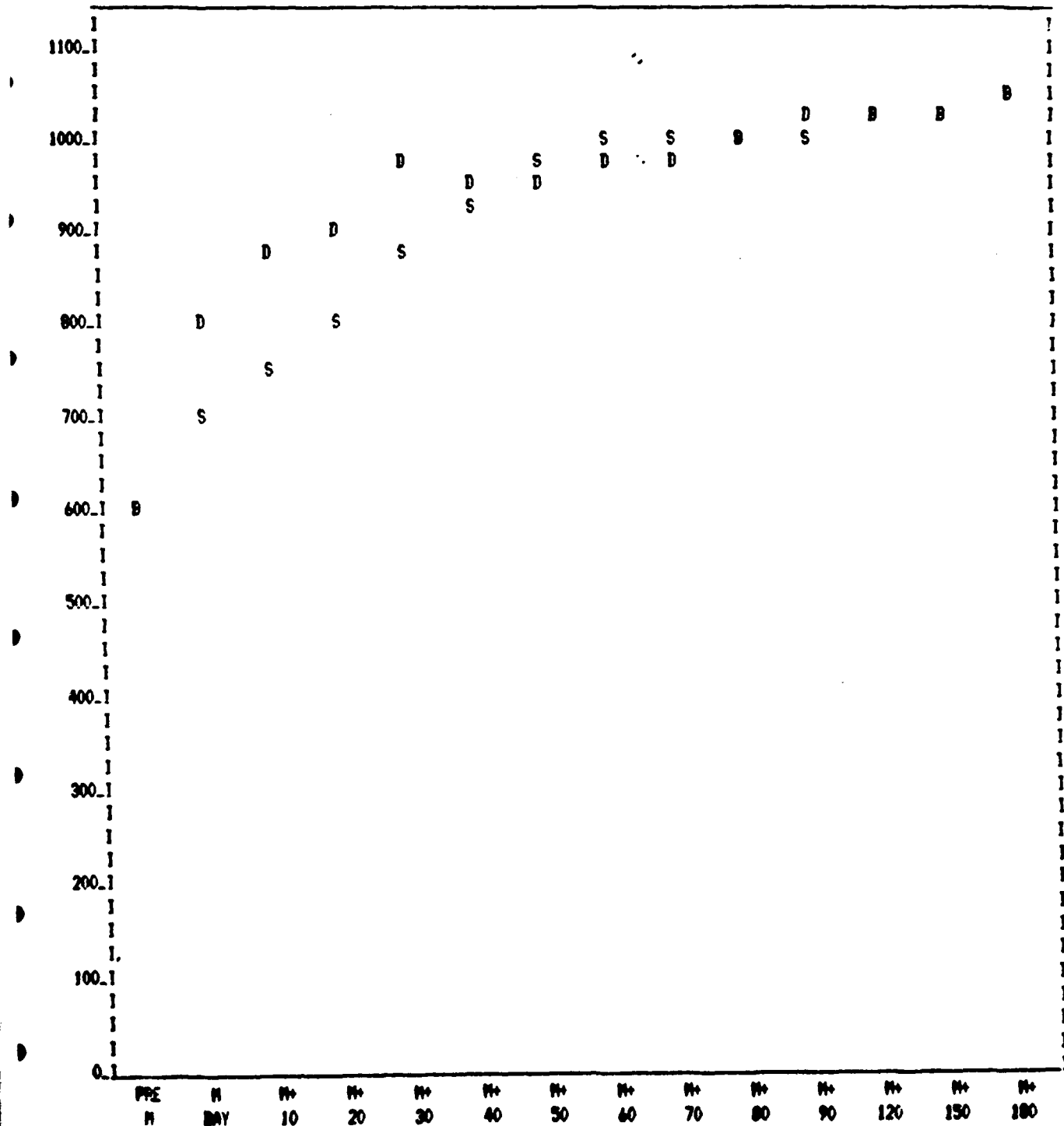
OFFICERS/ENLISTED

NAVY WORLD-WIDE REQUIREMENTS

73

## CUMULATIVE DEMAND AND SUPPLY COMPARISONS

TOTAL

MANPOWER  
(THOUS)



12/11/81

FY87CHAPRED

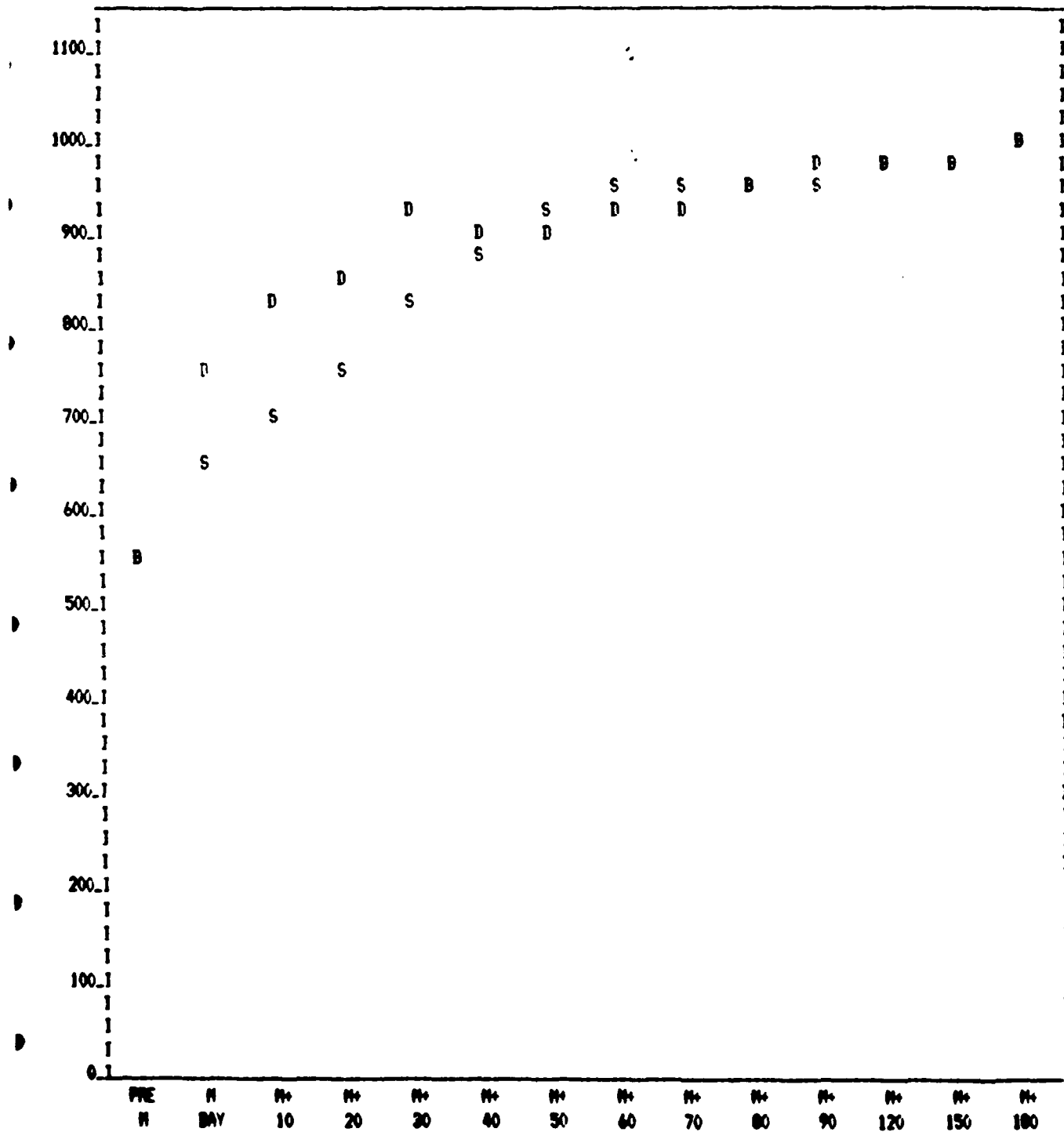
OFFICERS/ENLISTED

NAVY WORLD-WIDE REQ'TS

74

## CUMULATIVE DEMAND AND SUPPLY COMPARISONS

TRAINED

MANPOWER  
(THOUS)

12/11/81

**FY870P01RE0**

## OFFICERS

## MANY WORLD-WIDE REQ'TS

75

• CUMULATIVE-SUPPLY •

PRE-H      H      H+10      H+20      H+30      H+40      H+50      H+60      H+70      H+80      H+90      H+120      H+150      H+180

[illegible]

12/11/81

FY87CPANREG

OFFICERS

NAVY WORLD-WIDE REQ'MNTS

• CUMULATIVE-DEMAND •

PRE-H      H      H+10      H+20      H+30      H+40      H+50      H+60      H+70      H+80      H+90      H+120      H+150      H+180

[illegible]



12/11/81

FY87CPMREQ

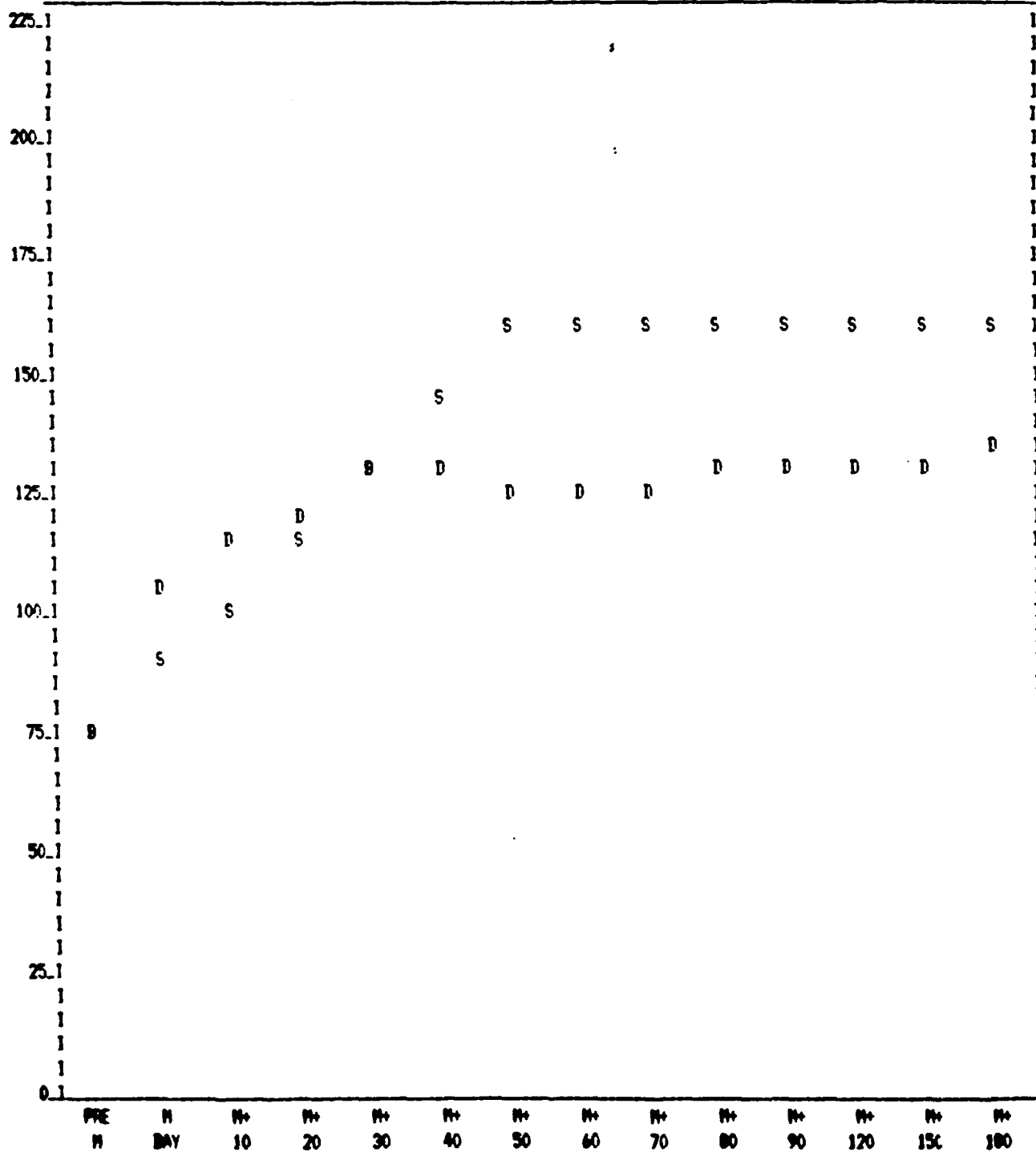
OFFICERS

NAVY WORLD-WIDE REQ'NTS

77

## CUMULATIVE DEMAND AND SUPPLY COMPARISONS

TOTAL

NONPOWER  
(THOUS)

12/11/81

FY87CPANREQ

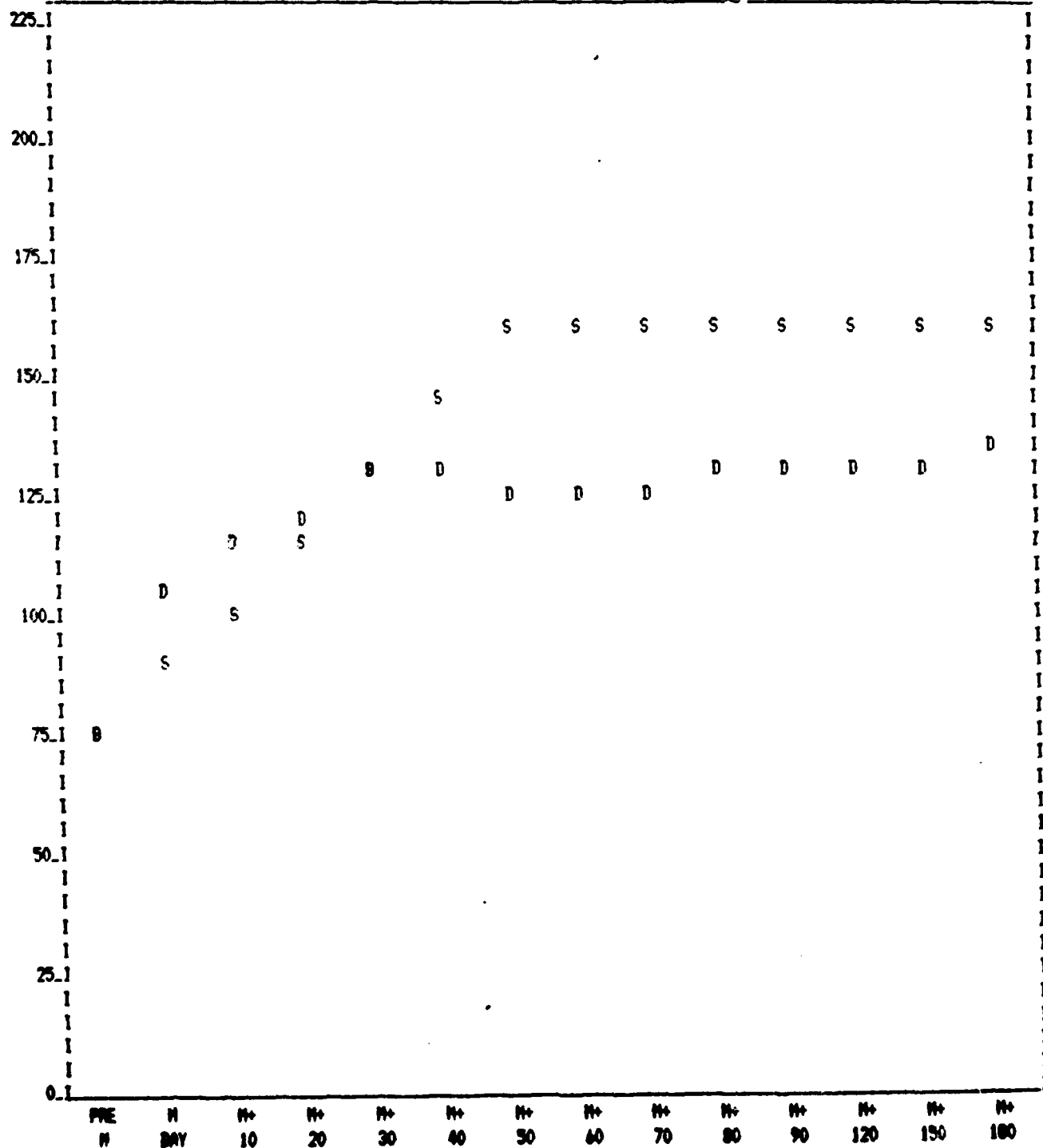
OFFICERS

NAVY WORLD-WIDE REQ'NTS

78

CUMULATIVE DEMAND AND SUPPLY COMPARISONS

TRAINED

MANPOWER  
(THOUS)

• CUMULATIVE-SUPPLY •

[illegible]

12/11/81 FY87CPANREQ OFFICERS

NAVY WORLD-WIDE REQ'MNTS

\* CUMULATIVE-DEMAND \*

[illegible]

**12/11/81**

FY87CPNFE0

## OFFICERS

## NAVY WORLD-WIDE REG'TS

80

• CUMULATIVE-SUMMARY •

[illegible]

12/11/01

FY07OPNREQ

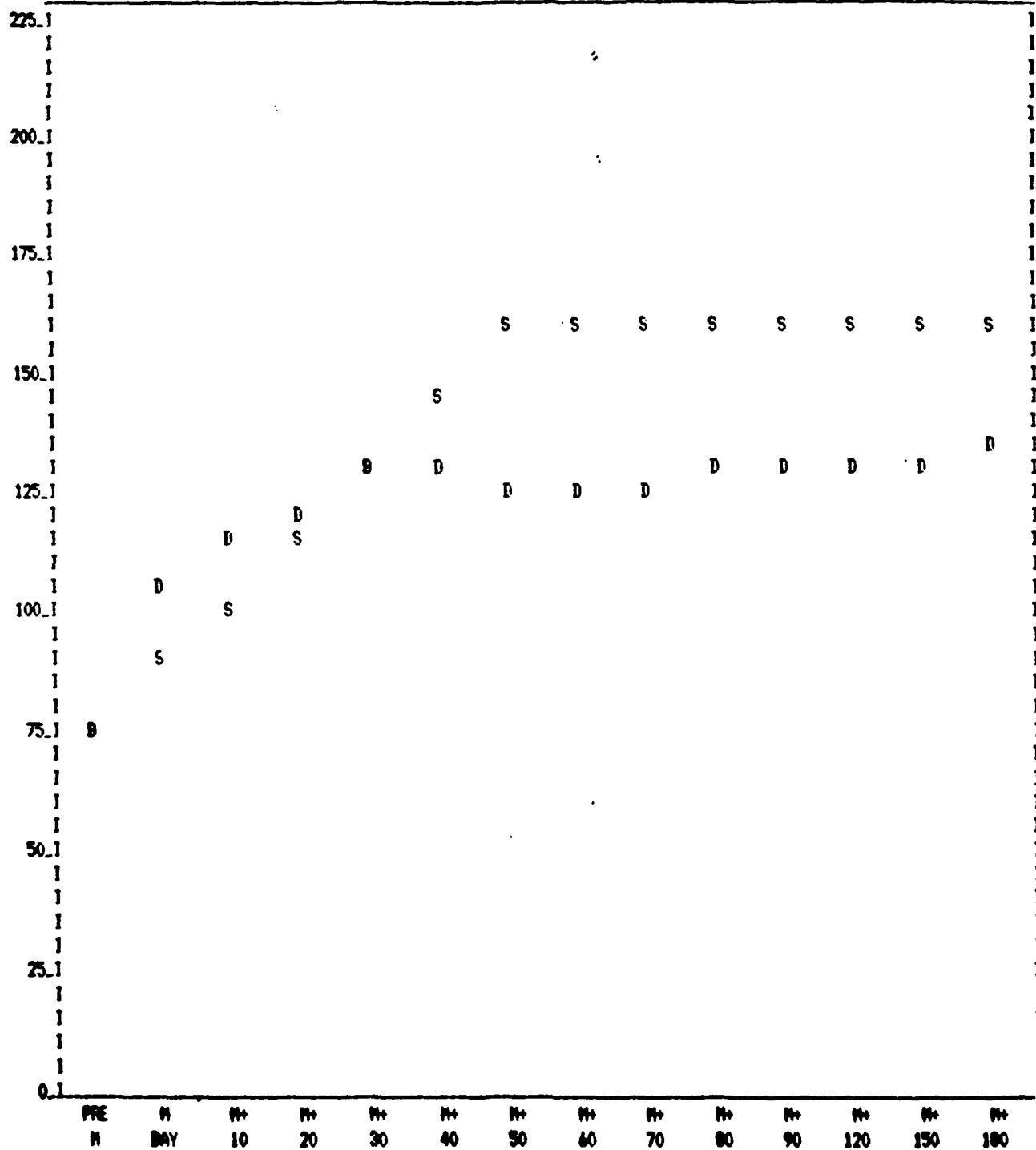
OFFICERS

NAVY WORLD-WIDE REQ'TS

81

## CUMULATIVE DEMAND AND SUPPLY COMPARISONS

TOTAL

NONPOWER  
(THOUS)



12/11/81

FY87OPWREQ

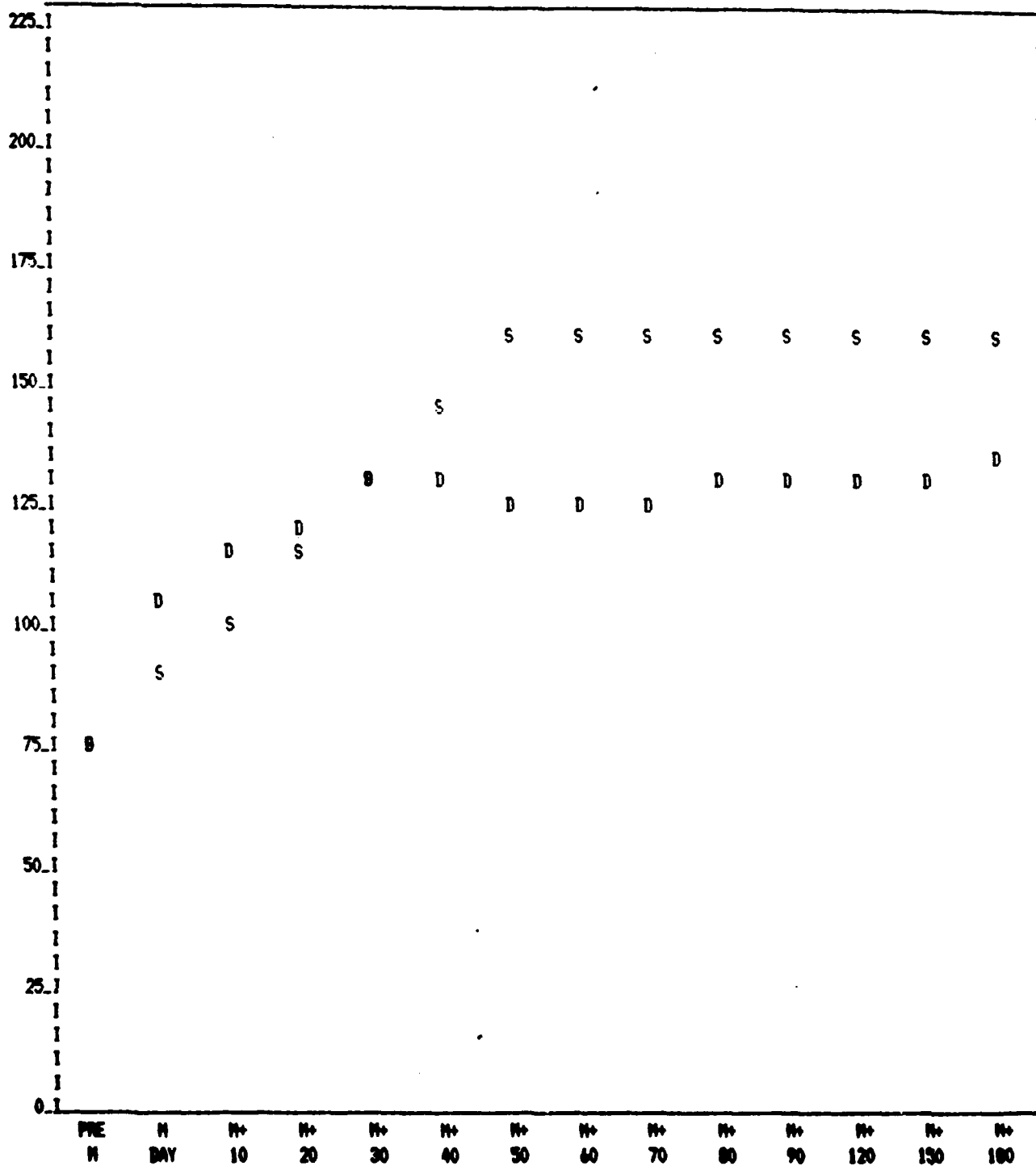
OFFICERS

NAVY WORLD-WIDE REQ'MENTS

## CUMULATIVE DEMAND AND SUPPLY COMPARISONS

TRAINED

82

MANPOWER  
(THOUS)

12/11/81 FY87CPANREQ ENLISTED

## NAVY WORLD-WIDE REQ'MENTS

83

## \* CUMULATIVE-SUPPLY \*

	PRE-M	M	M+10	M+20	M+30	M+40	M+50	M+60	M+70	M+80	M+90	M+120	M+150	M+180
TOTAL	542100	619800	651400	700500	751400	799400	833600	837200	840800	848000	851600	868400	879933	892367
TRAINED	492800	567700	598900	649200	700600	751700	784700	787800	790900	797000	802100	818900	830367	843267
INITIAL AF	492800	492800	492800	492800	492800	492800	492800	492800	492800	492800	492800	492800	492800	492800
SELECT RES	0	74400	74400	74400	74400	74400	74400	74400	74400	74400	74400	74400	74400	74400
OTHR INACT	0	500	25400	71500	116500	161500	188100	188100	188100	188100	188100	188100	188100	188100
TRAIN OUTP	0	0	6300	10500	16900	23000	29400	32500	35600	41700	46800	63600	75067	87967
TRAINEE	49300	52100	52500	51300	50800	47700	48900	49400	49900	51000	49500	49500	49567	49100

12/11/81 FY87CPANREQ ENLISTED

## NAVY WORLD-WIDE REQ'MENTS

## \* CUMULATIVE-DEMAND \*

	PRE-M	M	M+10	M+20	M+30	M+40	M+50	M+60	M+70	M+80	M+90	M+120	M+150	M+180
TOTAL	537348	708623	770323	803384	847739	821205	834679	856542	861851	871759	901457	902815	910314	924335
TRAINED	489048	658523	717823	752084	796939	773505	785779	807142	811951	820759	851957	853315	860747	875235
STRUCTURE	439348	595090	651721	679172	711611	709779	711701	722310	718542	720930	734220	730778	736193	746427
NON-STRUCT	48700	58200	57900	55500	57100	24800	24200	27100	25500	25500	37900	37800	37500	36900
CAS-REPLS	0	5233	8202	17412	28228	38926	49878	57732	67909	74329	79837	84737	87054	91908
TRAINEE	49300	50100	52500	51300	50800	47700	48900	49400	49900	51000	49500	49500	49567	49100

12/11/81

**FYB7CPNFE0**

**ENLISTED**

## NAVY WORLD-WIDE REQ'TS

84

• CUMULATIVE-SUMMARY •

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12/11/81

FY87CPMREQ

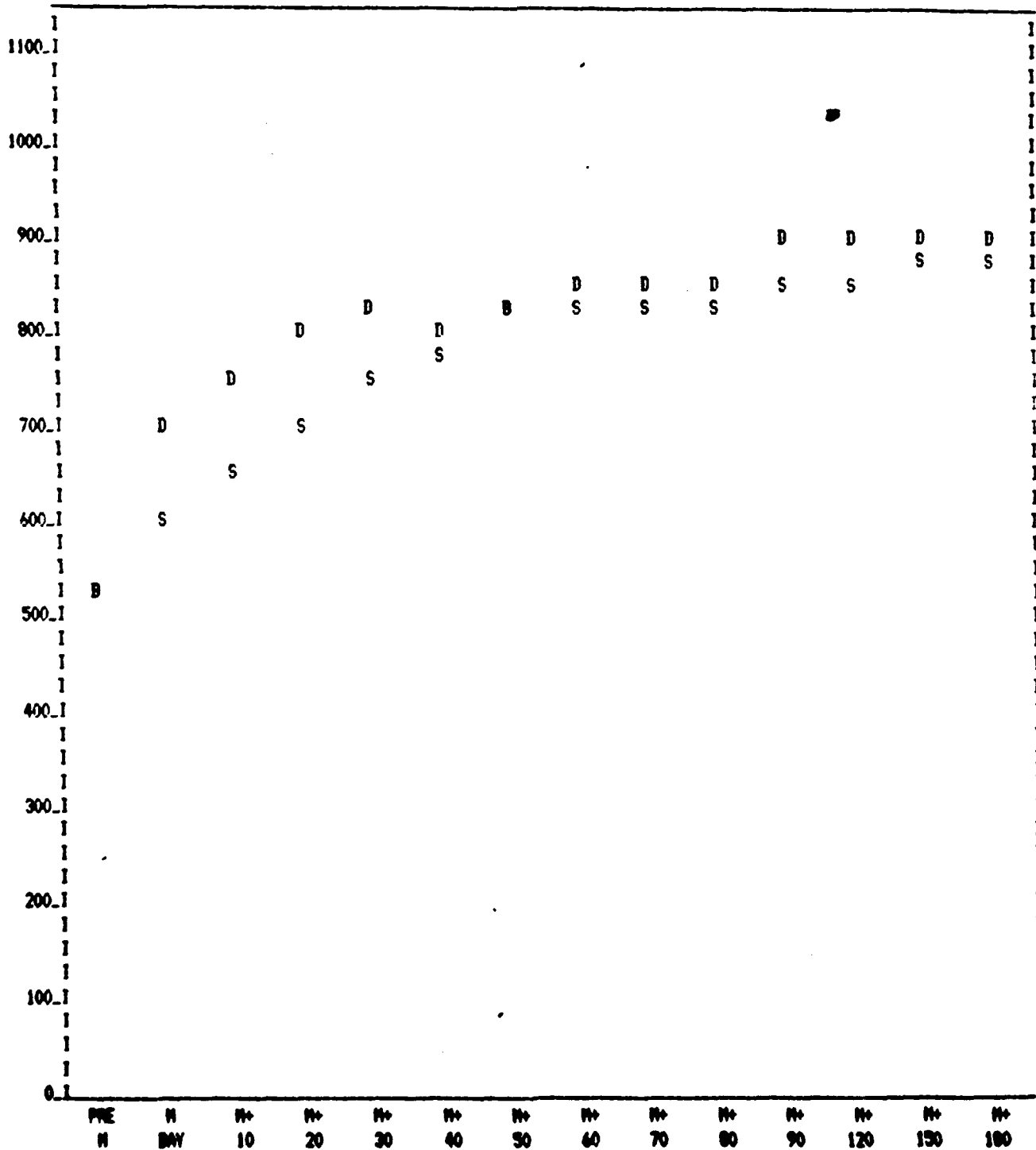
ENLISTED

NAVY WORLD-WIDE REQ'MENTS

85

CUMULATIVE DEMAND AND SUPPLY COMPARISONS

TOTAL

MANPOWER  
(THOUS)

12/11/81

FY87CPMREQ

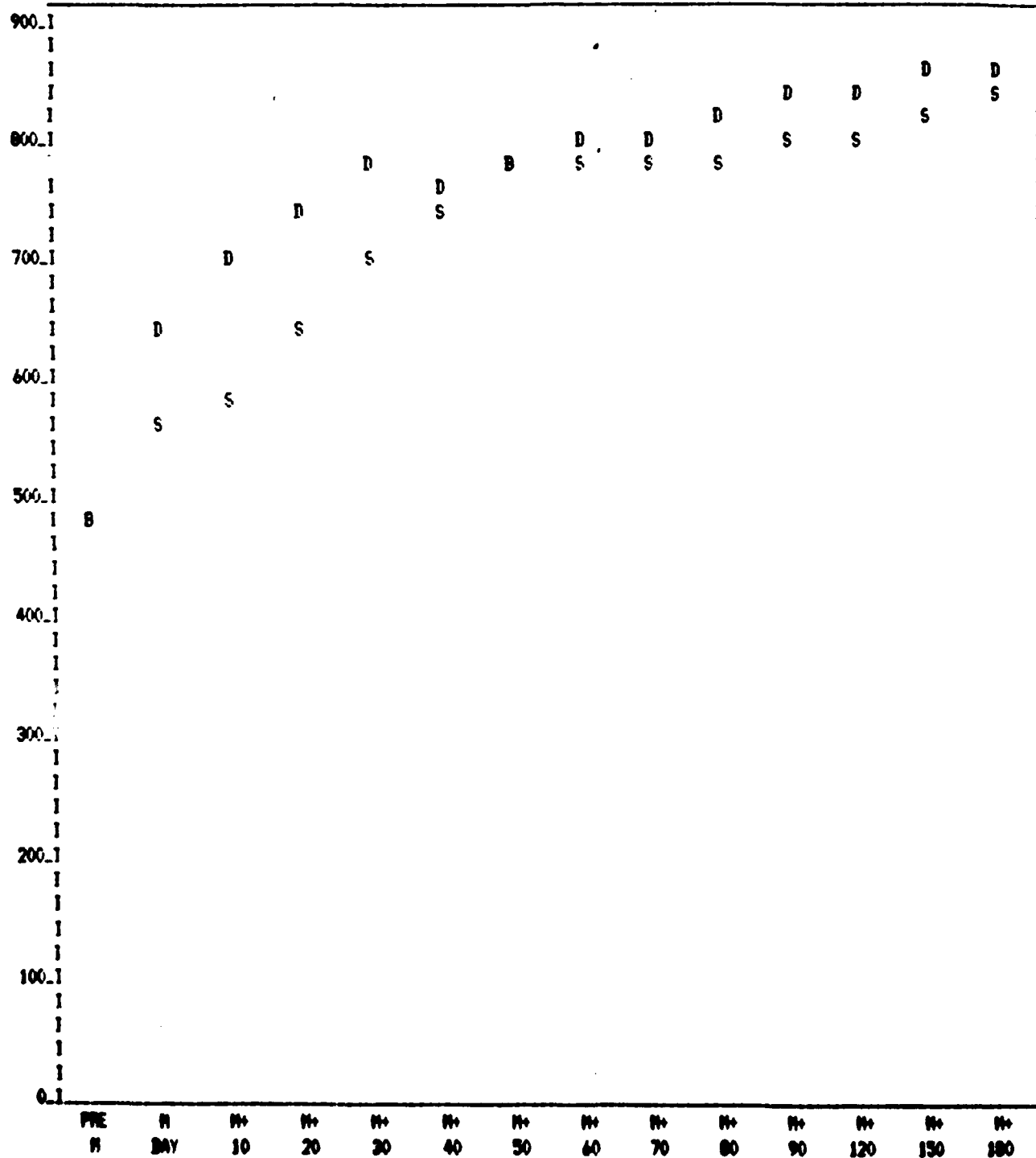
ENLISTED

NAVY WORLD-WIDE REQ'TS

86

CUMULATIVE DEMAND AND SUPPLY COMPARISONS

TRAINED

MANPOWER  
(THOUS)

III.12 February 16, 1982

SUBJECT: Transition to a Full Mobilization

Enclosures: (1) Operational or Functional Categories

(2) Manpower Changes

(3) Summary Line Comparison

(4) Percent Change by Category

(5) Examples and Amplifications

(6) Selected Reserve Billets

Extracts: Enclosures (2), (3) and (4) are reproduced in the following six pages.

## ENCLOSURE (2)

REPRESENTATIVE MANPOWER CHANGES BY  
 OPERATIONAL/FUNCTIONAL CATEGORY  
 (000's)

<u>Category</u>	<u>M-Day</u>	<u>M+1 to 10</u>	<u>M+11 to 20</u>	<u>M+21 to 30</u>
<u>Structure</u>				
Afloat Forces	21.4	0.3	2.3	0.4
New Construction	0.2	0.0	0.0	0.2
MSC	1.8	10.2	0.0	0.0
Service Craft	0.0	6.9	0.0	6.9
Afloat Support	0.7	0.9	2.8	0.0
Repair - Recrew	0.0	0.0	2.3	2.3
Misc. Afloat	3.5	3.3	0.0	0.0
Afloat with USMC	0.6	2.3	6.3	-7.9
<hr/>				
TOTAL AFLOAT WORLDWIDE	28.2	23.9	13.7	1.9
Ashore with USMC (Mobile)	8.8	1.4	-6.3	2.6
Construction Forces (Mobile)	12.6	1.0	1.4	0.8
VP	2.4	3.3	0.0	0.0
ABFC's (Minus Construction and USMC)	3.0	1.4	0.0	0.0
Other Deployable	1.7	0.7	0.0	0.0
<hr/>				
TOTAL MOBILE/ DEPLOYABLE ASHORE	28.5	7.8	-4.9	3.4

<u>Category</u>	<u>M-Day</u>	<u>M+1 to 10</u>	<u>M+11 to 20</u>	<u>M+21 to 30</u>
Ashore Fixed (-additional medical workload)	25.8	0.0	15.1	66.6
Additional Medical Workload (Nurses)	0.0	2.2	4.3	1.6
TOTAL FIXED	25.8	2.2	19.4	68.2
TOTAL ASHORE	54.3	10.0	14.5	71.6
TOTAL STRUCTURE	82.5	33.9	28.2	73.5
<u>218.1</u>				
<u>Non-Structure</u>				
Transients	12.9	0.6	1.0	6.4
Students	0.0	2.9	0.0	-3.9
Holdees	0.0	-1.3	-1.0	-2.0
Casualty Replacements	5.9	3.6	11.2	14.4
Trainees	0.9	0.4	-1.2	-0.5
TOTAL NON- STRUCTURE	19.7	6.2	8.0	14.4
<u>48.3</u>				
STRUCTURE PLUS NON-STRUCTURE GRAND TOTAL	102.4	36.8	36.2	87.9
<u>266.4</u>				
Less Billet Losses	0.0	0.0	-3.0	-5.1
Less Reduced Billets	-2.9	0.0	0.0	-0.5
Less Disestablished Activities	-2.9	0.0	0.0	-0.5



In order of decreasing magnitude the categories and the manpower changes, in thousands, between peacetime and M+30 days are:

Ashore Fixed	115.4
Casualty Replacements vs. Peacetime Patient Account	34.2
Afloat Forces (combat and direct support)	24.4
Transients	18.9
Construction Forces	15.8
Service Craft	13.9
MSC	11.8
Repair - Recrew	7.0
Miscellaneous Afloat	6.8
Ashore with USMC (mobile)	6.5
VP	5.6
Afloat Support	4.4
ABFC's	4.3
Other Deployable Ashore	2.4
Afloat with US	1.3
New Construction (ships)	0.4
Trainees	-0.4
Students	-3.5
Holdees	-4.3

## ENCLOSURE (3)

COMPARISON OF SUMMARY LINES FROM ENCLOSURE (2)  
AND FROM CPAM FY1984-1988 BASE CASE

The representative case used in enclosure (2) was chosen as the latest available data which has been constructed from the individual unit and detachment level of manpower detail. The data presented in the CPAM FY1984-1988 Base Case was derived from the same analysis. However, it was modified to reflect the manpower change decisions made during the POM process and the further manpower changes made during the Program Decision phase leading to the proposed FY1983 budget. Detailed differences are beyond the scope of this paper.

Structure Billets (000's) Augmentations

	<u>Representative Case</u>	<u>CPAM Base Case</u>
M-Day	82.5	106.0
M+1 to 10	30.6	25.7
M+11 to 20	28.2	23.6
M+21 to 30	73.5	62.7
	<hr/>	
TOTAL STRUCTURE	214.8	218.0
TOTAL NON-STRUCTURE	48.3	52.5
GRAND TOTAL	263.1	270.5
	<hr/> <hr/>	

AD-A130 148

ANALYSES OF MOBILIZATION MANPOWER SUPPLY AND DEMAND(U)  
ADMINISTRATIVE SCIENCES CORP SPRINGFIELD VA  
F J BREAU ET AL. MAR 82 ASC-R-134 N00014-80-C-0939

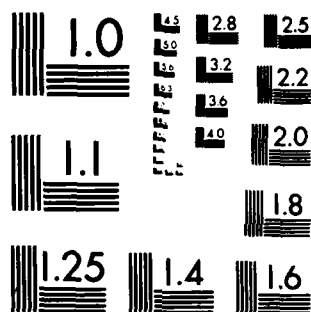
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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

REPRESENTATIVE MANPOWER CHANGES  
IN THE PERIOD OF FYDP TO M+30 DAYS

The percentages given below are in relation to the FYDP manpower. Thus, if an activity had a manpower authorization of 100 in the FYDP and a demand for a total of 200 at M+30 days, the change would be 100%. Of the 100 additional billets in this example any or all of them could be wartime billets for peacetime inactive personnel including Selected Reserves.

Structure

Afloat Forces	10.3%
New Construction	33.6%
MSC	N.A. (from 0 manpower to 11,834)
Service Craft	167.4%
Afloat Support	281.5%
Repair-Recrew	N.A. (from 0 manpower to 6,959)
Miscellaneous Afloat	134.7%
Afloat with USMC	167.4%
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Total Afloat Worldwide	27.5%
Ashore with USMC	79.0%
Construction Forces	518.6%
VP	50.2%
ABFC's	N.A. (from 0 manpower to 4,332)
Other Deployable	50.0%
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Total Mobile/Deployable	
Ashore Worldwide	127.0%
Ashore Fixed Worldwide	63.7%
Total Ashore Worldwide	72.0%
Total Structure Billets	47.6%
Worldwide	

Non-Structure

Transients	59.1%
Students	-13.5%
Holdees	-81.2%
Casualty Replacements	3,844.6%
Trainees	-0.1%
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Total Non-Structure	42.5%
GRAND TOTAL	
(Structure and Non-Structure)	46.6%